JVC

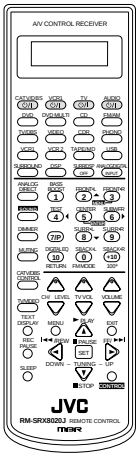
SERVICE MANUAL

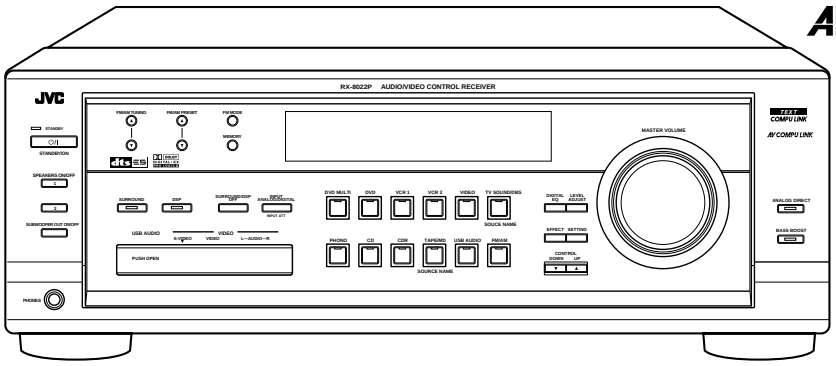
AUDIO/VIDEO CONTROL RECEIVER

RX-8022PSL

Area suffix

A ---------- Australia





AV COMPU LINK

TEXT COMPU LINK

dts ES

DOLBY DIGITAL • EX PRO LOGIC II

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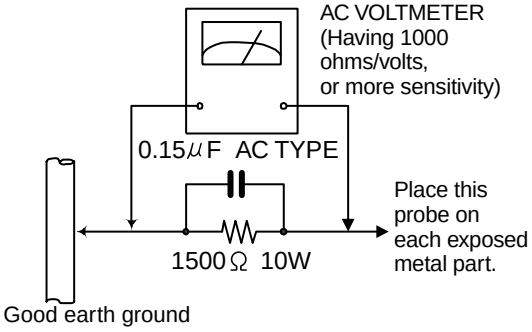
No.21160
Oct. 2002

Safety Precautions

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer`s warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Voltage measured any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

⚠ CAUTION

Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

(This regulation does not correspond to J and C version.)

Disassembly method

■Removing the top cover (See Fig.1)

1. Remove the four screws **A** attaching the top cover on both sides of the body.

2. Remove the three screws **B** on the back of the body.

3. Remove the top cover from behind in the direction of the arrow while pulling both sides outward.

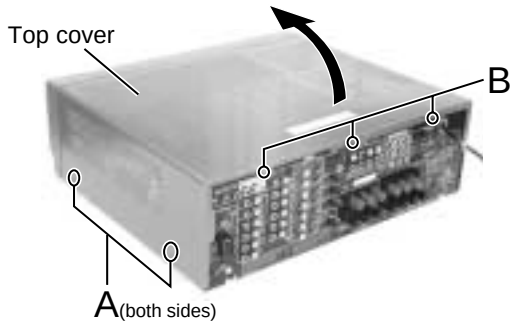


Fig.1

■Removing the front panel assembly (See Fig.2 and 3)

- Prior to performing the following procedure, remove the top cover.

1. Cut off the tie bands.

2. Disconnect the harness from the connector CN416 (on the video audio board), CN206 (on the video board) and CN244 (on the S video board) (see fig.8).

3. Disconnect the card wire from the connector CN400 on the audio board and CN402 on the power supply board.

4. Remove the three screws **C** fixing the upper surface of the front panel, and four screws **D** fixing the bottom.

5. Detach the front panel assembly toward the front.

6. Remove the screw **X** attaching the earth wire (see fig. 19).

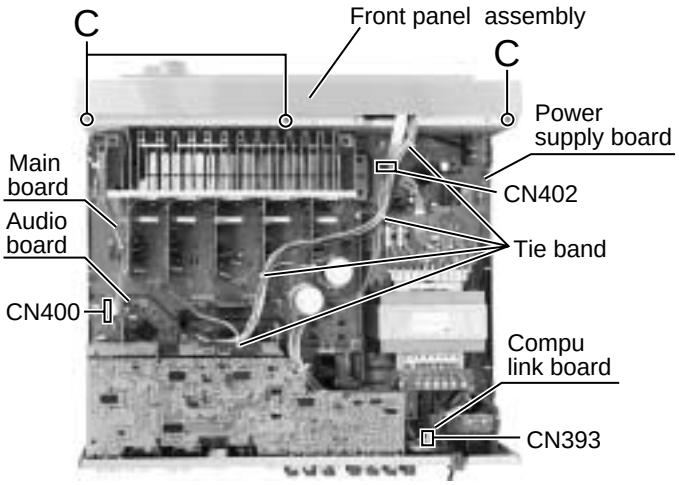


Fig.2

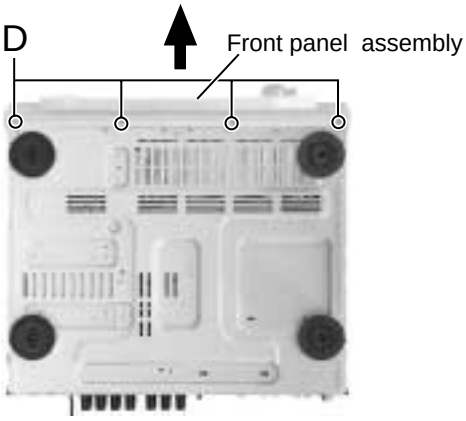


Fig.3

■Removing the compulink board (See Fig.2 and 4)

- Prior to performing the following procedure, remove the top cover.

1. Disconnect the harness from the connector CN393 on the compu link board.

2. Remove the three screws **E** attaching the compu link board to the rear panel.

■Removing the rear panel (See Fig.4)

- Prior to performing the following procedure, remove the top cover.

1. Remove the power cord stopper from the rear panel by moving it in the direction of the arrow.

2. Remove the thirty seven screws **E & F & G & H** attaching the each board to the rear panel.

3. Remove the three screws **I** attaching the rear panel on the back of the body.

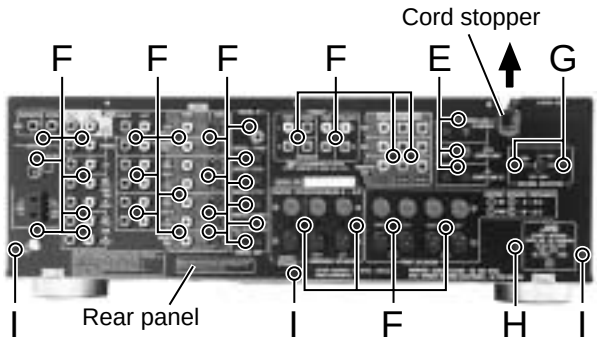


Fig.4

■ Removing the DVD board (See Fig.5 and 6)

・ Prior to performing the following procedure, remove the top cover and rear panel.

1. Cut off the tie bands.
2. Disconnect the harness from the connector CN393 on the compu link board (see fig.2).
3. Disconnect the harness from the connector CN721, CN723 on the main board and CN722 on the Cch amp. board.
4. Remove the two fasteners fixing the small board to the audio input board and video board.
5. Draw out the DVD board upwards, disconnecting the connector CN501, CN243, CN205, CN381 and CN361 on the DVD board.

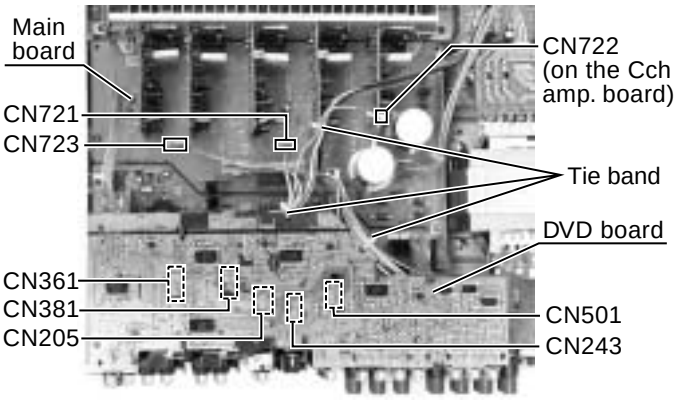


Fig.5

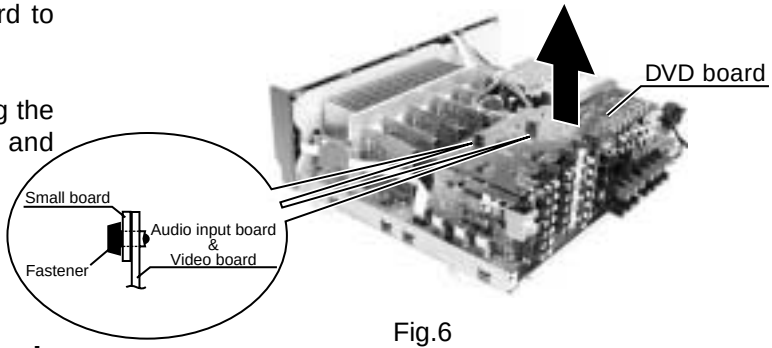


Fig.6

■ Removing the each board of the tuner, the audio input, the video audio, the video, the S video and the DSP (See Fig.7 to 10)

・ Prior to performing the following procedure, remove the top cover, rear panel and DVD board.

1. Remove the tuner board from the connector CN101 on the audio board.
2. Remove the audio input board from the connector CN301 on the audio board.
3. Disconnect the harness from the connector CN416 and remove the video audio board from the connector CN303 on the audio board.
4. Disconnect the harness from the connector CN206 and remove the video board from the connector CN201 on the audio board.
6. Disconnect the harness from the connector CN244 and remove the S video board from the connector CN241 on the audio board.
7. Remove the DSP board from the connector CN601 on the audio board.

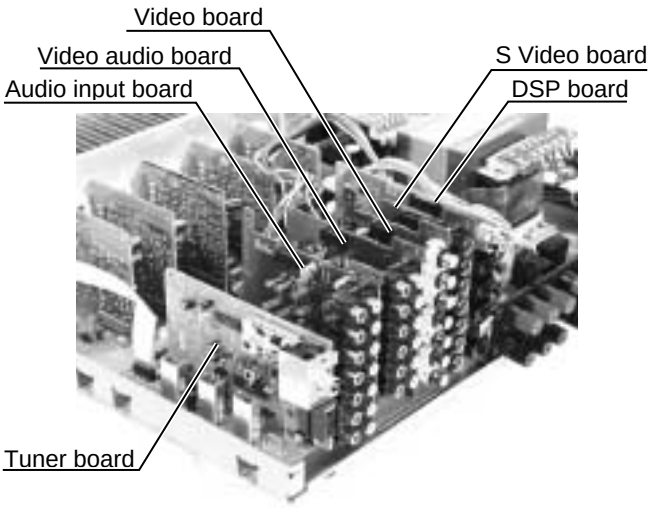


Fig.7

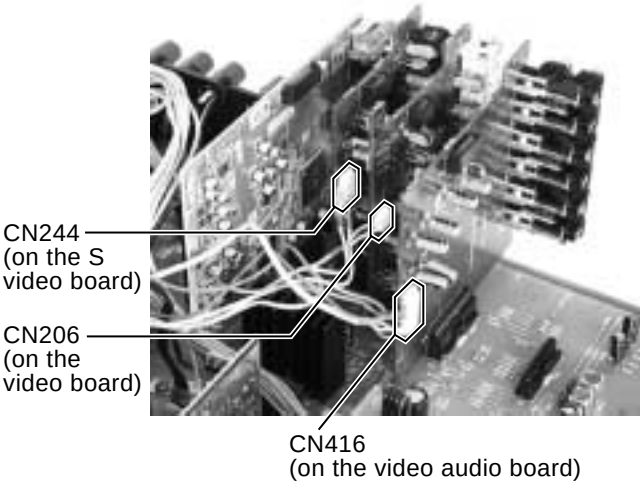


Fig.8

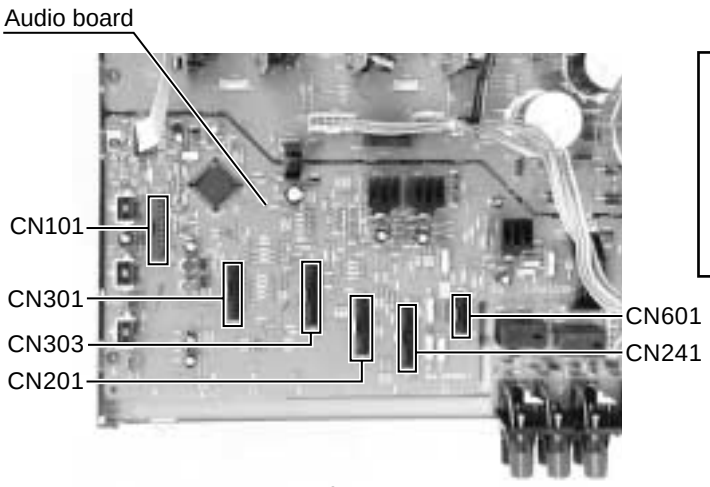


Fig.9

Connection between the audio board and each board

CN101	⟷	Tuner board (CN111)
CN301	⟷	Audio input board (CN311)
CN303	⟷	Vidoe audio board (CN313)
CN201	⟷	Video board (CN200)
CN241	⟷	S video board (CN240)
CN601	⟷	DSP board (CN587)

Fig.10

■ Removing the speaker board (See Fig.11)

- Prior to performing the following procedure, remove the top cover and rear panel.

1. Disconnect the harness from the connector CN931/ CN932 on the audio board.
2. Disconnect the harness from the connector CN813 and CN814 on the main board.

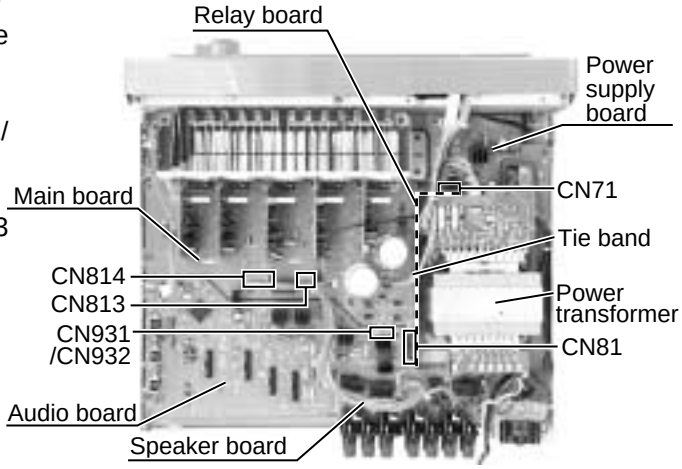


Fig.11

■ Removing the audio board (See Fig.11 and 12)

- Prior to performing the following procedure, remove the top cover, rear panel, DVD board, tuner board, audio input board, video audio board, video board, S video board and DSP board.

1. Disconnect the harness and card wire from the connector CN931 /CN932 and CN400 on the audio board.
2. Cut off the tie band, if needed.
3. Disconnect the connector CN71(on the power supply board) and CN81(on the audio board) and remove the relay board.
4. Disconnect the harness from the connector CN831 on the main board.
5. Remove the three screws **J** and screw **K** attaching the audio board.

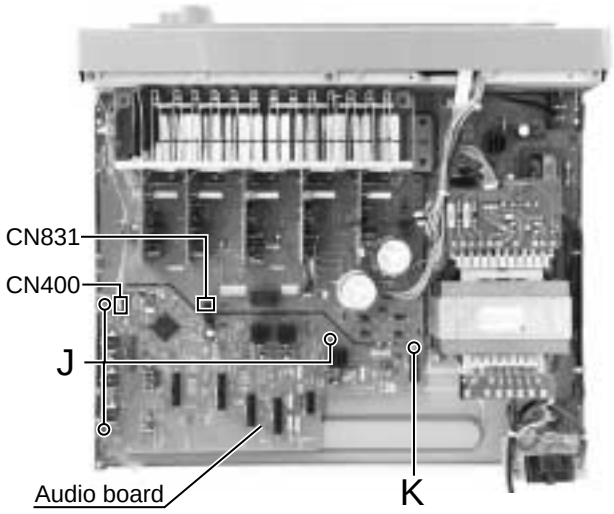


Fig.12

■Removing the main board (See Fig.13 to 15)

・Prior to performing the following procedure, remove the top cover.

1. Remove the card wire and cut off the tie bands.
2. Disconnect the harness from the connector CN721, CN723, CN813, CN814, CN831 and CN881 on the main board.
3. Disconnect the harness from the connector CN722 on the Cch amp. board (see fig.5).
4. Disconnect the harness from the connector CN811 on the power trans1 board.
6. Remove the screw **K**, after removing the relay board if needed (see fig.11).
7. Remove the two screws **L** and the six screws **M** attaching the main board.
8. Remove the two screws **N** attaching the heat sink to the main board.
9. Disconnect the connector of each amp. board.

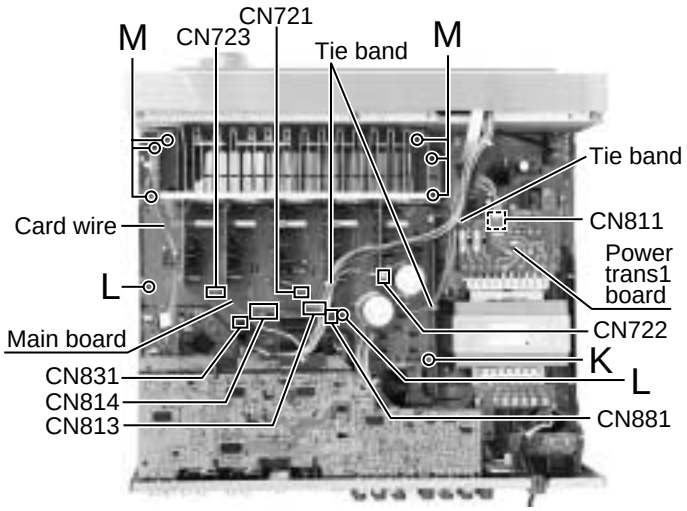


Fig.13

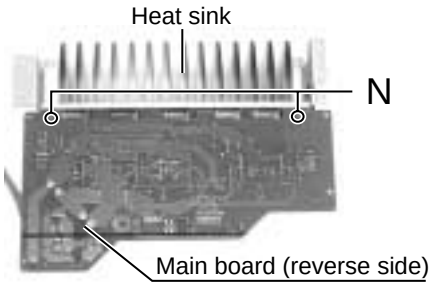


Fig.14

■Removing the each amp. board of Cch, Lch, Rch, RLch and RRch (See Fig.16)

・Prior to performing the following procedure, remove the top cover and main board.

1. Remove the two screws **O** attaching the Cch amp. board and remove the Cch amp. board.
2. Remove the two screws **P** attaching the Lch amp. board and remove the Lch amp. board.
3. Remove the two screws **Q** attaching the Rch amp. board and remove the Rch amp. board.
4. Remove the two screws **R** attaching the RLch amp. board and remove the SLch amp. board.
5. Remove the two screws **S** attaching the RRch amp. board and remove the SRch amp. board.

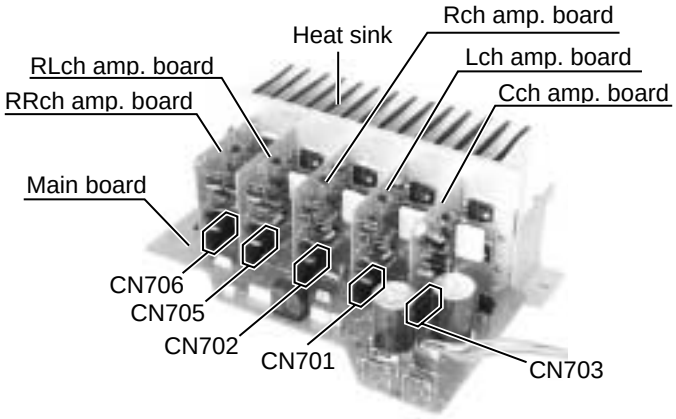


Fig.15

■Removing the Heat sink (See Fig.16)

・Prior to performing the following procedure, remove the top cover, main board and each amp. board.

1. Remove the four screws **T** attaching the two brackets to the heat sink and remove the two brackets.

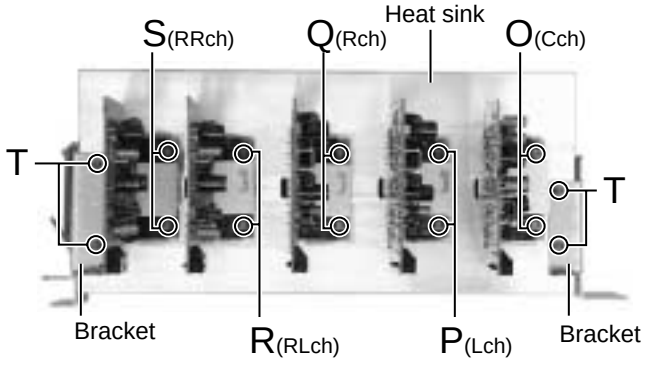


Fig.16

■Removing the power transformer

(See Fig.17)

- Prior to performing the following procedures, remove the top cover.

1. Disconnect the harness from the connector CN55 /CN56 and CN811 on the power trans1 board.
2. Unsolder the seven solder parts on the power trans2 board.
3. Remove the four screws **U** attaching the power transformer.

■Removing the voltage selector board

(See Fig.17)

- Prior to performing the following procedure, remove the top cover.

1. Removed the two screws **G** attaching the voltage selector board to the rear panel (see fig.4).
2. Unsolder the six solder parts on the voltage selector board.

■Removing the power/fuse board

(See Fig.17)

- Prior to performing the following procedure, remove the top cover.

1. Removed the two screws **G** attaching the voltage selector board to the rear panel (see fig.4).
2. Remove the screw **H** attaching the power/fuse board to the rear panel (see fig.4).
3. Remove the screw **V** attaching the power/fuse board.
4. Unsolder the eight solder parts on the power/fuse board.

■Removing the power supply board

(See Fig.18)

- Prior to performing the following procedure, remove the top cover and relay board.

1. Cut off the tie band if needed.
2. Disconnect the card wire from the connector CN402 on the power supply board.
3. Disconnect the harness from the connector CN55/CN56 on the power trans1 board (see fig.17).
4. Remove the three screws **W** attaching the power supply board and pull out the power supply board removing the hook.
5. Unsolder the three solder parts on the power supply board.

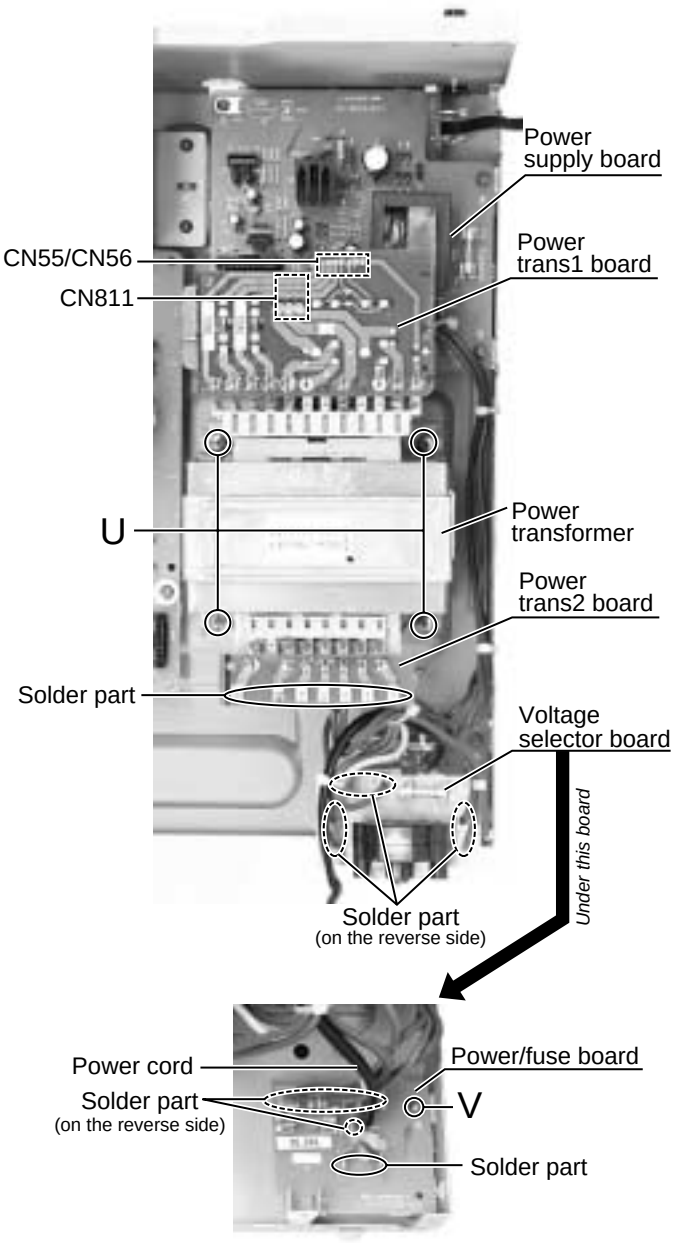


Fig.17

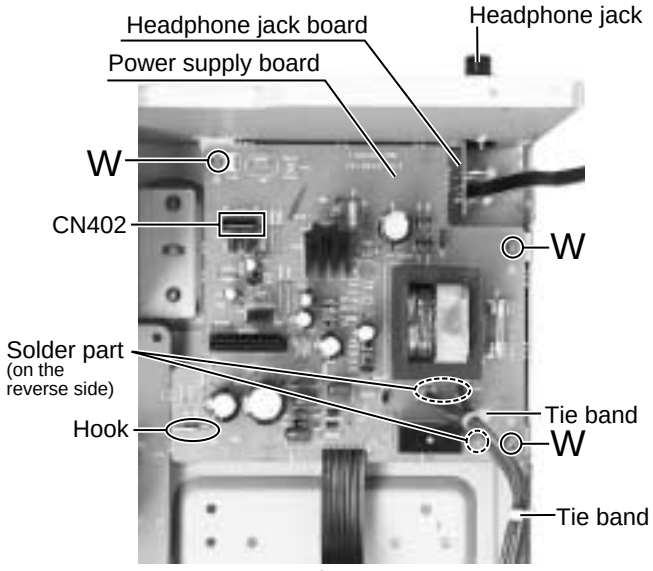


Fig.18

■Removing the headphone jack board (See Fig.18 and 19)

- Prior to performing the following procedure, remove the top cover, front panel assembly and power supply board.

1. Disconnect the harness form the connector CN881 on the main board (see fig.13).
2. Remove the nut fixing the headphone jack.
3. Drawn out the headphone jack board in the direction of an inner side.

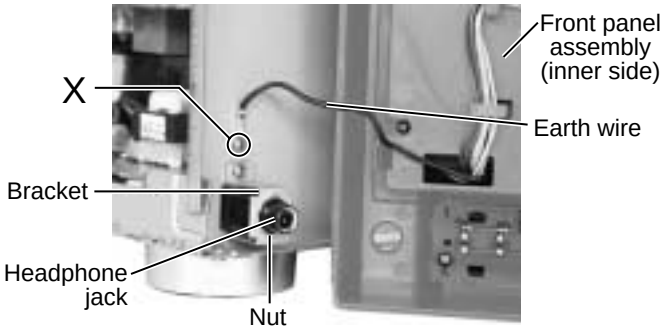


Fig.19

<Front panel assembly>

■Removing the system control board, power switch board and switch board (See Fig.1 to 3)

- Prior to performing the following procedure, remove the top cover and front panel assembly.

1. Pull out the volume knob on the front side of the front panel assembly and remove the nut attaching the system control board.
2. Remove the two screws **A** attaching the power switch board on the front panel assembly(inner side). And disconnect the harness from the connector CN430 on the power switch board.
3. Remove the two screws **B** attaching the switch board on the front panel assembly(inner side). And disconnect the harness form the connector CN432 on the switch board.
4. Remove the harness from the three hooks **a**.
5. Remove the eight screws **C** attaching the operation switch panel from the inner side of the front panel assembly.
6. Release the four joints on the front panel assembly (inner side) by pushing the joint tabs inward. Remove the operation switch panel toward the front.
7. Release the two hooks **b** attaching the system control board.
8. Disconnect the card wire from the connector CN410 and CN412 on the system control board.

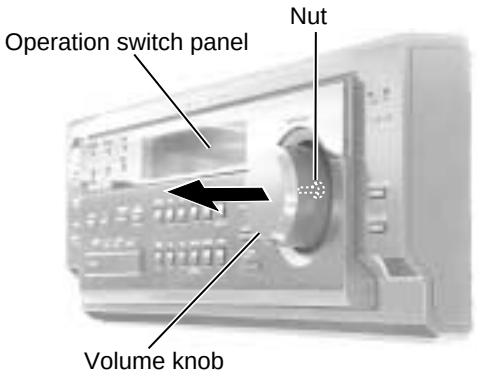


Fig.1

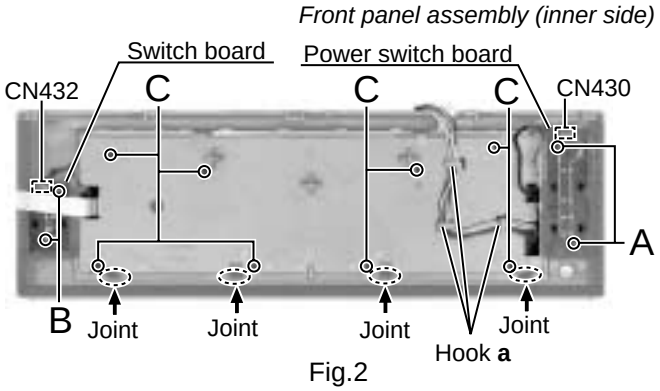


Fig.2

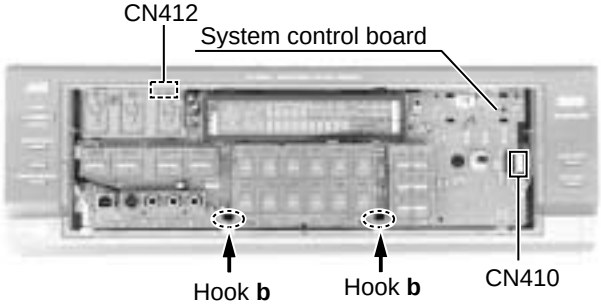


Fig.3

Adjustment method

■ Tuner section

1.Tuner range

FM	87.5MHz~108.0MHz
AM(MW)	531 kHz to 1 602 kHz (at 9 kHz intervals)
	530 kHz to 1 600 kHz (at 10 kHz intervals)

■ Power amplifier section

Adjustment of idling current

Measurement location	B2204-B2205(Lch) , B2213-2214(Rch)
Adjustment part	VR787(Lch) , VR788(Rch)

Attention
This adjustment does not obtain a correct adjustment value immediately after the amplifier is used (state that an internal temperature has risen).
Please adjust, after you turn off amplifier and internal temperature falls.

<Adjustment method>

1.Set the volume control to minimum during this adjustment.(No signal & No load)

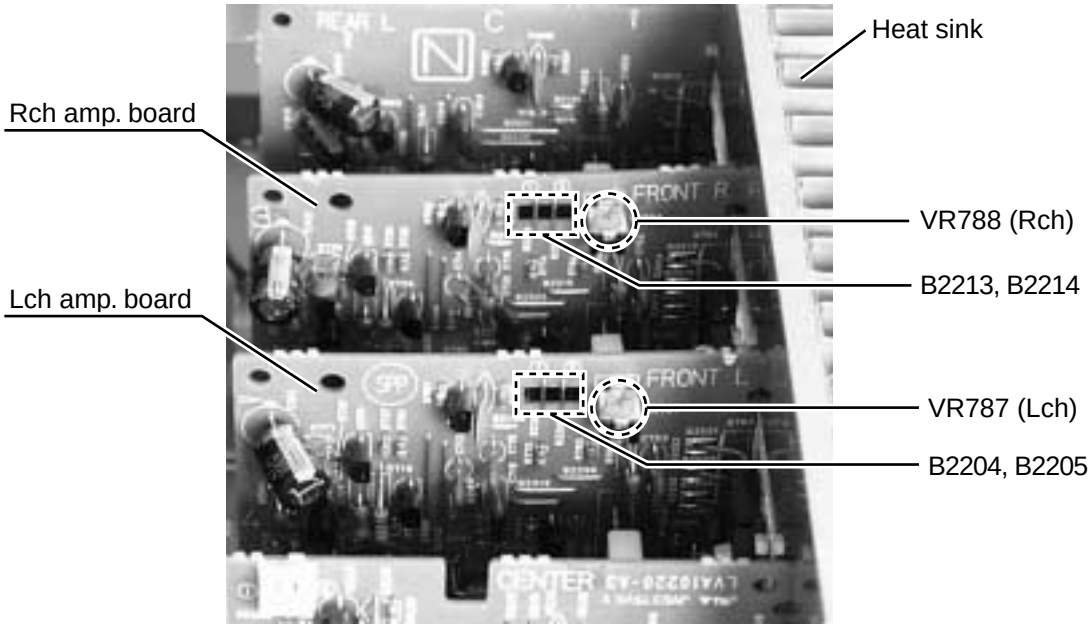
2.Set the surround mode OFF.

2.Turn VR787 and VR788 fully counterclockwise to warm up before adjustment.
If the heat sink is already warm from previous use the correct adjustment can not be made.

3.For L-ch,connect a DC voltmeter between B2204 and B2205 (Lch)
And,connect it between B2213 and B2214(Rch).

4.30 minutes later after power on, adjust VR787 for L-ch, or VR788 for R-ch so that the DC voltmeter value has 1mV~10mV.

* It is not abnormal though the idling current might not become 0mA even if it is finished to turn variable resistance (VR787,VR788) in the direction of counterclockwise.



Self-diagnose function

1. Detection of abnormal power supply and voltage

- When the power is turned ON, if an abnormality is detected during the signal input at the A/D port (IC901, pin 2-5, 7) for one second continuously, the status will become STANDBY mode immediately.

- When the power is turned ON again, detection of abnormal power supply and voltage will not be carried out during the first 4 seconds.

- Given below is a list of threshold values at the detection of abnormalities.

	At abnormal state (Low voltage)	At normal state	At abnormal state (High voltage)
Pin 2 Micro-computer+5V	Analog value 0 - 2.2V	Analog value 2.2 - 2.8V	Analog value 2.8 - 5.0V
Pin 3 Digital+5V	Analog value 0 - 2.2V	Analog value 2.2 - 2.8V	Analog value 2.8 - 5.0V
Pin 4 Analog+5V	Analog value 0 - 2.2V	Analog value 2.2 - 2.8V	Analog value 2.8 - 5.0V
Pin 5 +12V	Analog value 0 - 2.2V	Analog value 2.2 - 2.8V	Analog value 2.8 - 5.0V
Pin 7 Tuner+9V	Analog value 0 - 2.2V	Analog value 2.2 - 2.8V	Analog value 2.8 - 5.0V

2. Initial setting on ship

- To gain the initial setting on ship, put the power plug in the socket while pressing "DOWN" key and "UP" key together simultaneously, then turn the power ON.

3. Test mode

- To enter the test mode, put the power plug in the socket while pressing "EFFECT" key and "UP" key together simultaneously, then turn the power ON.

- Workings of test mode:
  ① All FLs are turned ON for 3 seconds. (the FLs, which are divided in two groups, are turned ON alternatively)
  ② A Faster volume UP/DOWN operation can be achieved with the remote controller.

- When the power is turned OFF, the test mode will be released.

- The FL display returns to normal after the three seconds. Then the STANDBY LED is turned ON (flashing ON and OFF for each one second) to show the present status being a test mode.

4. Self-diagnose

- To enter the self-diagnose mode, put the power plug in the socket while pressing "SETTING" key and "UP" key together simultaneously, then turn the power ON.
- While the working status is being displayed, the each item can be switched with the UP/DOWN key operation.
- When the power is turned OFF, the self-diagnose mode will be released.
- During the self-diagnose mode, the STANDBY LED is turned ON (flashing ON for one second then OFF for three seconds).
- FL transient display will be carried out as follows. When the transient display is not carried out, normal display/workings are carried out.

```
S 0 0 0 1
2 0 0 2 0 2 2 0 9
```

- Information on VERSION of system microcomputer (IC901)
  Example : 2002/2/20 9th ROM

D1

V	e	r		1	.	0	0

- Display the local version (IC581)
  Example : Ver_1.00

D2

0	2	/	0	2	/	1	0

- Display the local creation date
  Example : 2002/2/10

D3

D	S	P	R	e	v	4	1

- Display the DSP version (IC511)
  Example : DSP Rev41

D4

A	N	A	L	O	G	x	x
D	I	G	I	T	A	L	1
D	I	G	I	T	A	L	2
D	I	G	I	T	A	L	3
D	I	G	I	T	A	L	4
D	I	G	I	T	A	L	5
D	I	G	I	T	A	L	

- Display the input sources
  However, since it is the source of DIR processing, actual source may be contradicted.
  Example : ANALOG08

D5

U	N	L	O	C	K		
F	s		3	2	k	H	z
F	s		4	4	k	H	z
F	s		4	8	k	H	z
F	s		9	6	k	H	z
N	G		D	A	T	A	

- Display the input Fs
  Example : Fs48kHz

D6

U	N	L	O	C	K		
P	C	M					
A	C	3					
A	C	3	-	E	X		
D	T	S					
D	T	S	-	E	S		M
D	T	S	-	E	S		D
A	A	C					
M	P	E	G				
N	G		D	A	T	A	

- Display the input format
  Example : PCM

D7

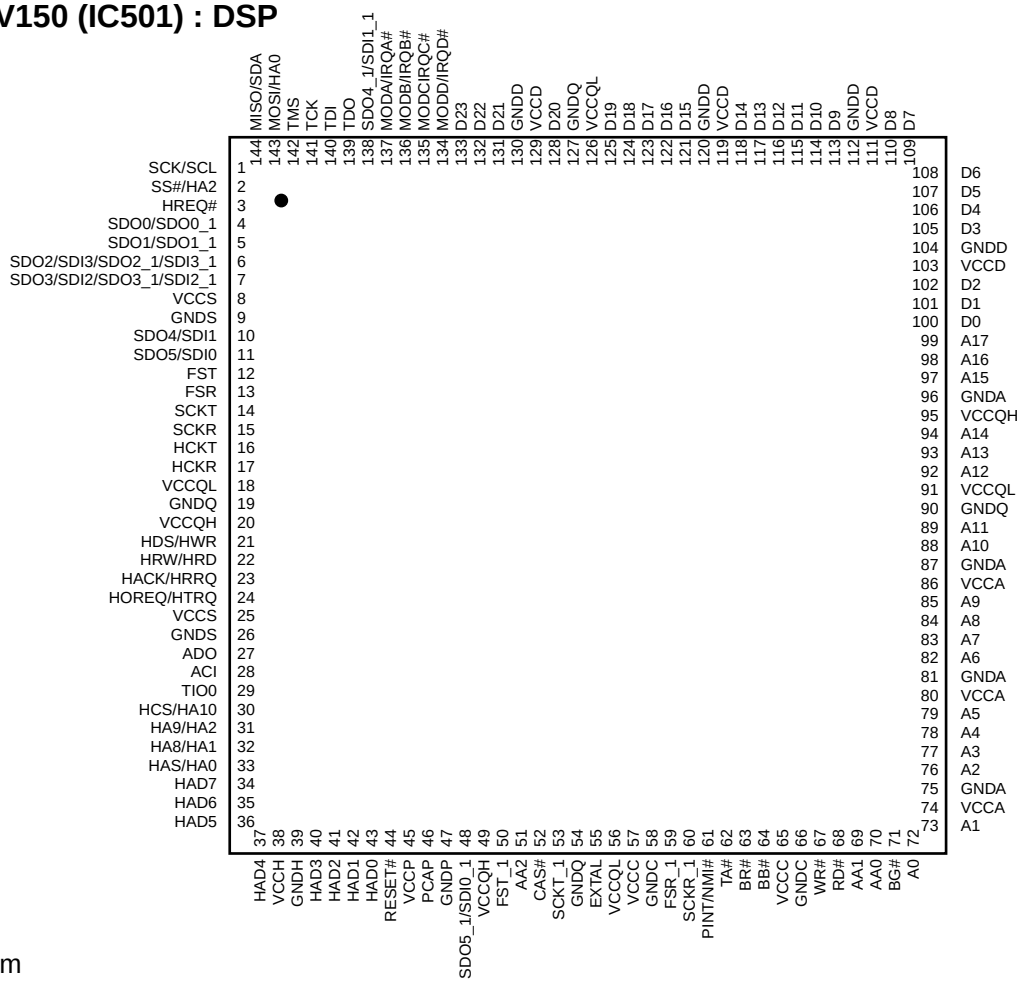
U	N	L	O	C	K		
1	/	0	.	0			
2	/	0	.	0			
2	/	0	.	0			
2	/	0	.	0			
3	/	0	.	0		L	t
2	/	1	.	0		D	M
3	/	1	.	0			
2	/	2	.	0			
3	/	2	.	0			
N	G		D	A	T	A	

- Display the input channel
  Example : 2/0.0

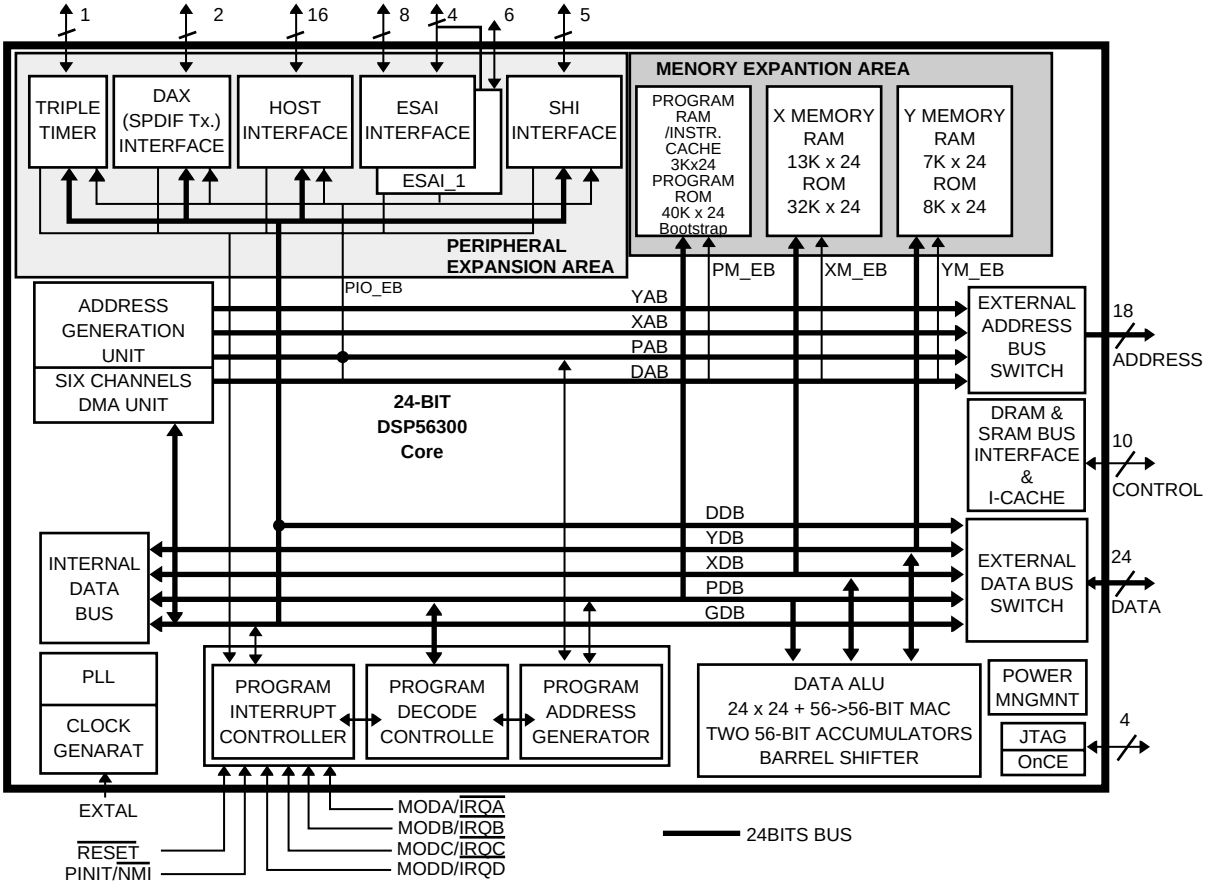
Description of major ICs

■XCC56367PV150 (IC501) : DSP

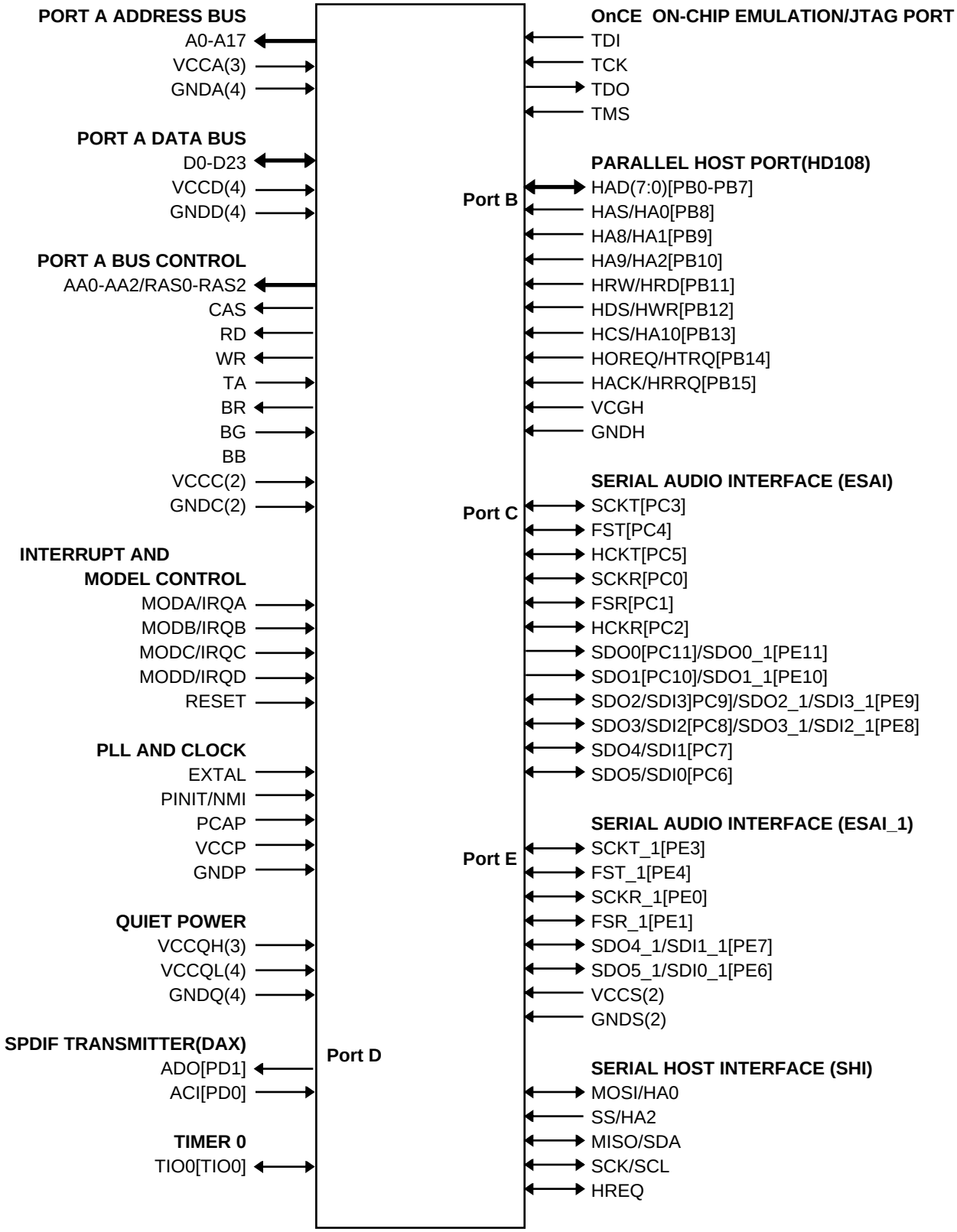
1. Pin layout



2. Block diagram

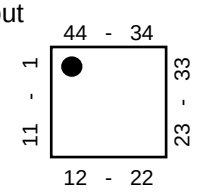


3. Signal groupings



■ AK4586VQ (IC571) : DIR & CODEC

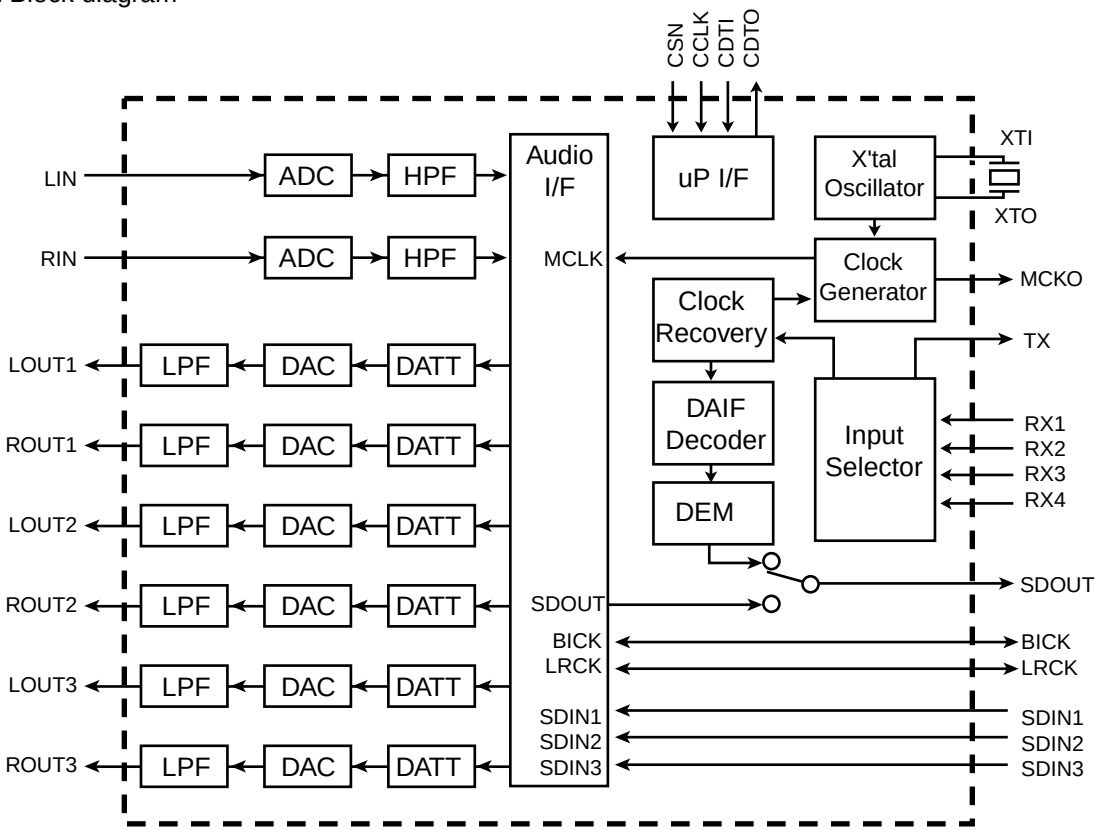
1. Pin layout



2. Pin function

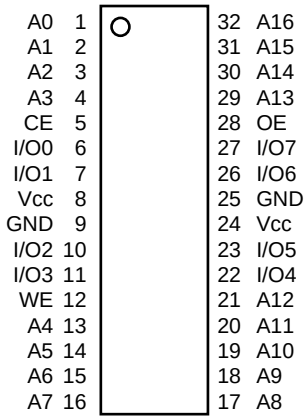
Pin No.	Symbol	I/O	Function
1	XTO	O	X'tal output pin
2	XTI	I	X'tal input pin
	EXTCLK	I	External master clock input pin
3	TVDD	-	Output buffer power supply pin, 2.7V~5.5V
4	VDSS	-	Digital Ground pin, 0V
5	DVDD	-	Digital power supply pin, 4.5V~5.5V
6	TX	O	Transmit channel (through data) output pin
7	MCKO	O	Master clock output pin
8	LRCK	I/O	Input/Output channel clock pin
9	BICK	I/O	Audio serial data clock pin
10	SDTO	O	Audio serial data output pin
11	SDTI1	I	DAC1 audio serial data input pin
12	SDTI2	I	DAC2 audio serial data input pin
13	SDTI3	I	DAC3 audio serial data input pin
14	INT0	O	Interrupt 0 pin
15	INT2	O	Interrupt 1 pin
16	CDTO	O	Control data output pin in 4-wire serial control mode
	CAD1	I	Chip address 1 pin in I2C bus control mode
17	CDTI	I	Control data input pin in 4-wire serial control mode
	SDA	I/O	Control data input/output pin in I2C bus control mode
18	CCLK	I	Control data clock pin in 4-wire serial control mode
	SCL	I	Control data clock pin in I2C bus control mode
19	CSN	I	Chip select pin in 4-wire serial control mode
	CAD0	I	Chip address 0 pin in I2C bus control mode
20	DZF2	O	Zero input detect 2 pin
	OVF	O	Analog input overflow detect pin
21	AVSS	-	Analog ground pin, 0V
22	AVDD	-	Analog power supply pin, 4.5V~5.5V
23	VREFH	I	Positive voltage reference input pin, AVDD
24	VCOM	O	Common voltage output pin, AVDD/2
25	DZF1	O	Zero input detect 1 pin
26	LOUT3	O	DAC3 Lch analog output pin
27	ROUT3	O	DAC3 Rch analog output pin
28	LOUT2	O	DAC2 Lch analog output
29	ROUT2	O	DAC2 Rch analog output pin
30	LOUT1	O	DAC1 Lch analog output pin
31	ROUT1	O	DAC1 Rch analog output pin
32	LIN	I	Lch analog input pin
33	RIN	I	Rch analog input pin
34	PCDD	-	PLL power supply pin, 4.5V~5.5V
35	R	-	External resistor pin
36	PVSS	-	Pll ground pin, 0V
37	RX4	I	Receiver channel 4 pin (internal biased pin)
38	SLAVE	I	Slave mode pin
39	RX3	I	Receiver channel 3 pin (internal biased pin)
40	TST	I	Test pin
41	RX2	I	Receiver channel 2 pin (internal biased pin)
42	I2C	I	Control mode select pin
43	RX1	I	Receiver channel 1 pin internal biased pin)
44	PDN	I	Power-Down & Reset pin

3. Block diagram



■ IS63LV102410K-X (IC512, IC513, IC514) : CMOS SRAM

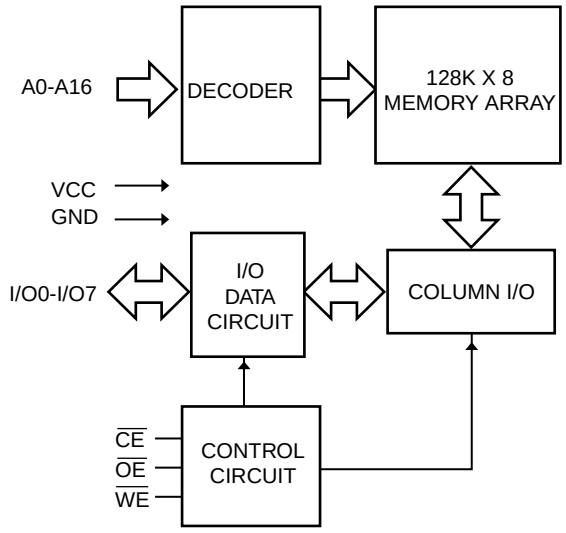
1. Pin layout



2. Pin function

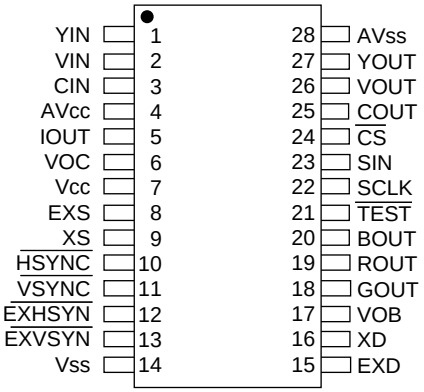
Symbol	Function
A0-A16	Address Input
$\overline{CE}$	Chip Enacble Input
$\overline{OE}$	Output Enable Input
$\overline{WE}$	Write Enable Input
I/O1-I/O7	Bidirectional Ports
Vcc	Power
GND	Ground

3. Block diagram

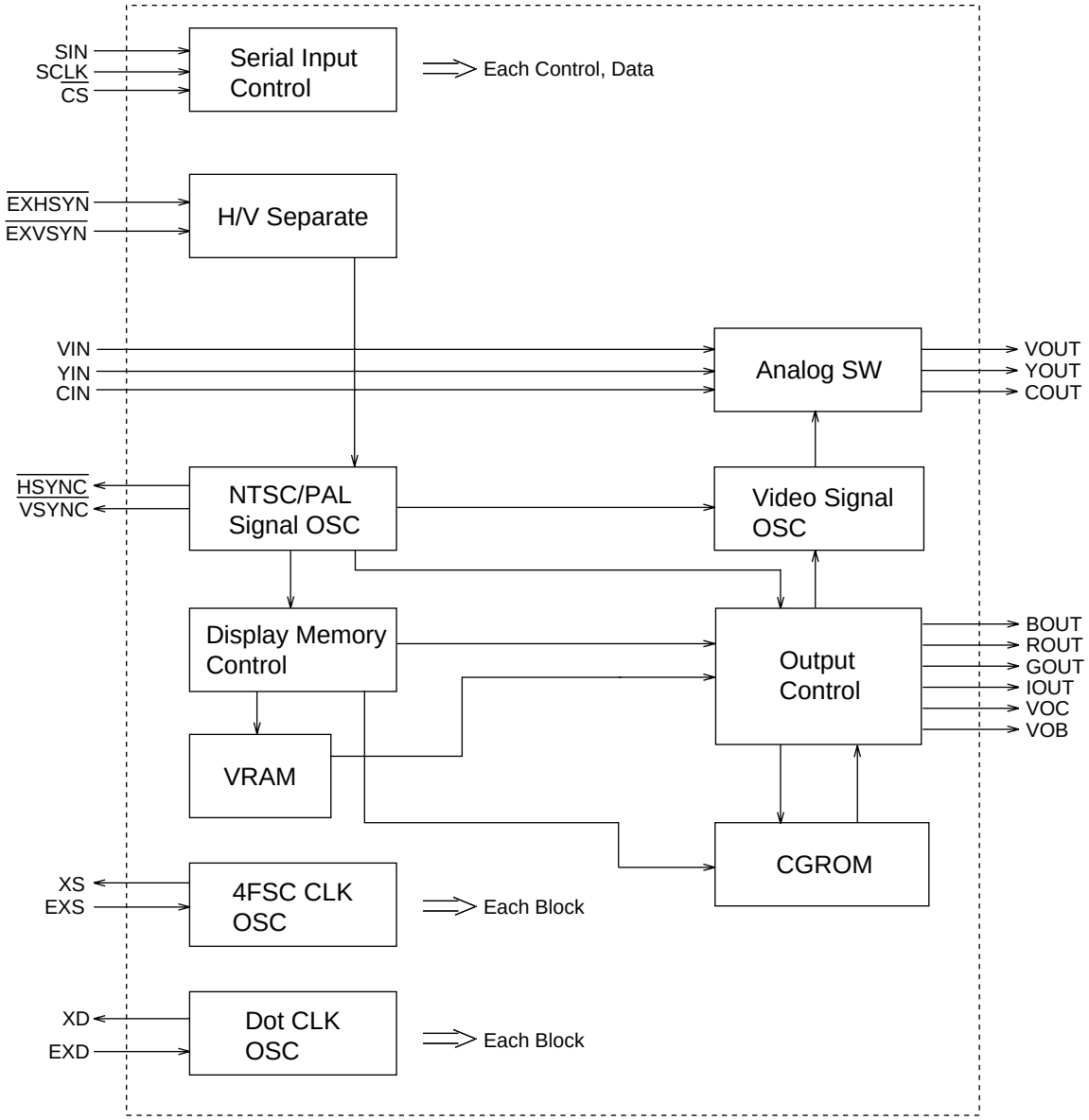


■ MB90088 (IC203) : Display controller

1.Pin layout



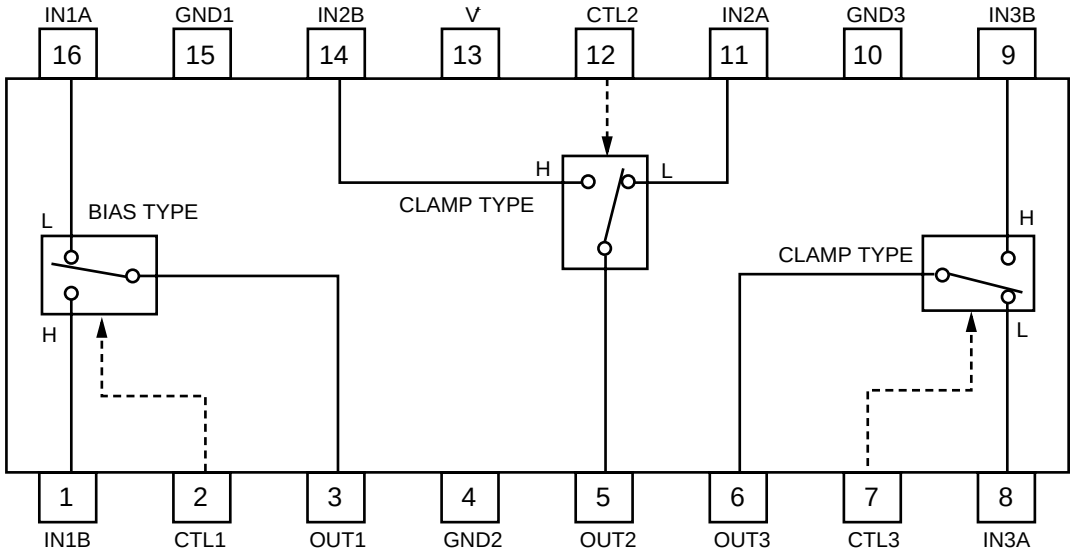
2.Block diagram



3.Functions

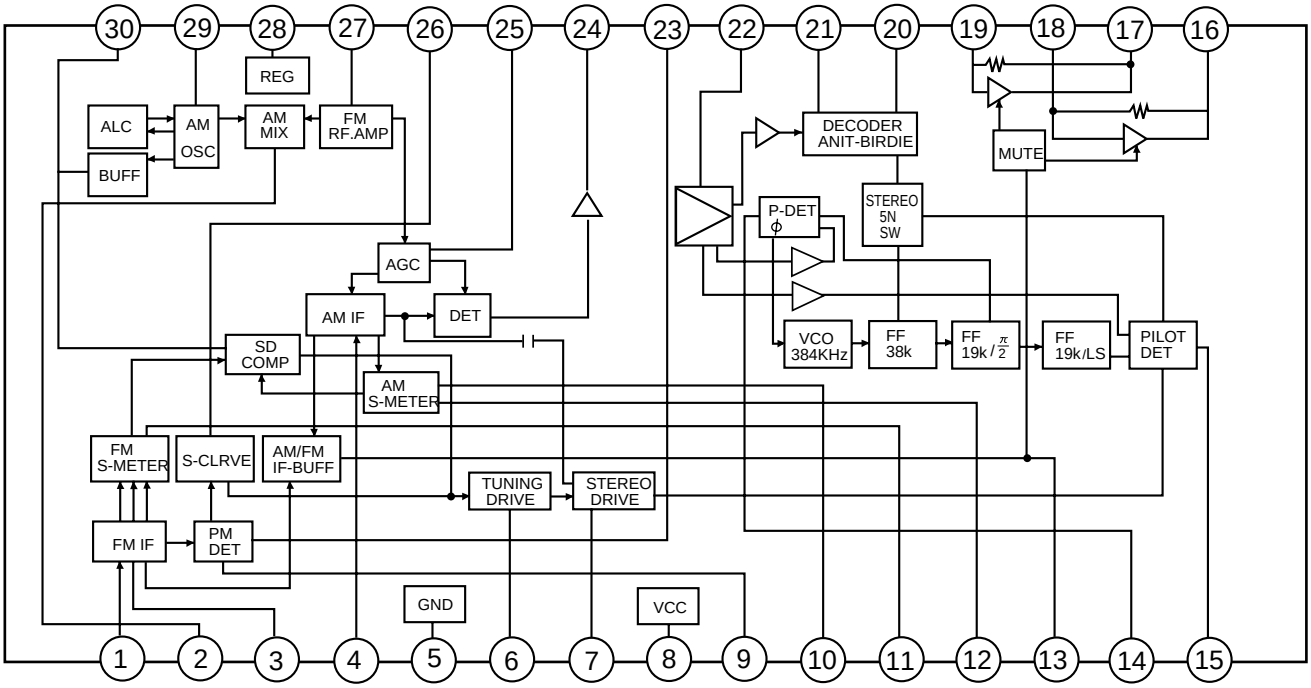
pin no	Symbol	I/O	Function
1	YIN	I	Lux signal Input terminal for Superinpause indication
2	VIN	I	Composite video signal input terminal for Superinpause indication
3	CIN	I	Contrast signal input terminal for Superinpause indication
4	AVcc	-	Analog power supply terminal
5	IOUT	O	Color (Lux) signal output terminal
6	VOC	O	Character output terminal
7	Vcc	-	Power supply terminal
8	EXS	I	Clock generator outside circuit terminal for color burst
9	XS	O	
10	$\overline{\text{HSYNC}}$	O	Horizontal signal output terminal
11	$\overline{\text{VSYNC}}$	O	Vertical signal output terminal
12	$\overline{\text{EXHSYN}}$	I	EXT horizontal signal input terminal
13	$\overline{\text{EXVSYN}}$	I	EXT vertical signal input terminal
14	Vss	-	GND
15	EXD	I	Dot clock generator outside circuit signal terminal for indication
16	XD	O	
17	VOB	O	Character & background signal output terminal
18	GOUT	O	Color signal (Green, Red, Blue)
19	ROUT		
20	BOUT		
21	$\overline{\text{TEST}}$	I	Test signal input terminal
22	SCLK	I	Shift clock input terminal for serial transmission
23	SIN	I	Serial data input terminal
24	$\overline{\text{CS}}$	I	Chip select terminal
25	COUT	O	Contrast signal output terminal
26	VOUT	O	Composite video signal output terminal
27	YOUT	O	Lux signal output terminal
28	AVss	-	Analog GND terminal

■NJM2285V-W (IC202) : 2-input 3-channel video switch



■ LA1838(IC102) : FM AM IF AMP&detector, FM MPX decoder

1. Block Diagram

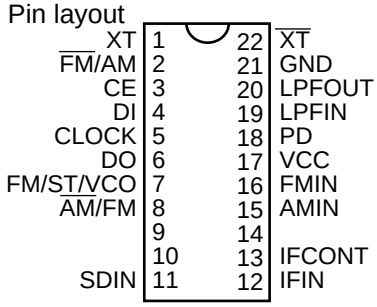


2. Pin Function

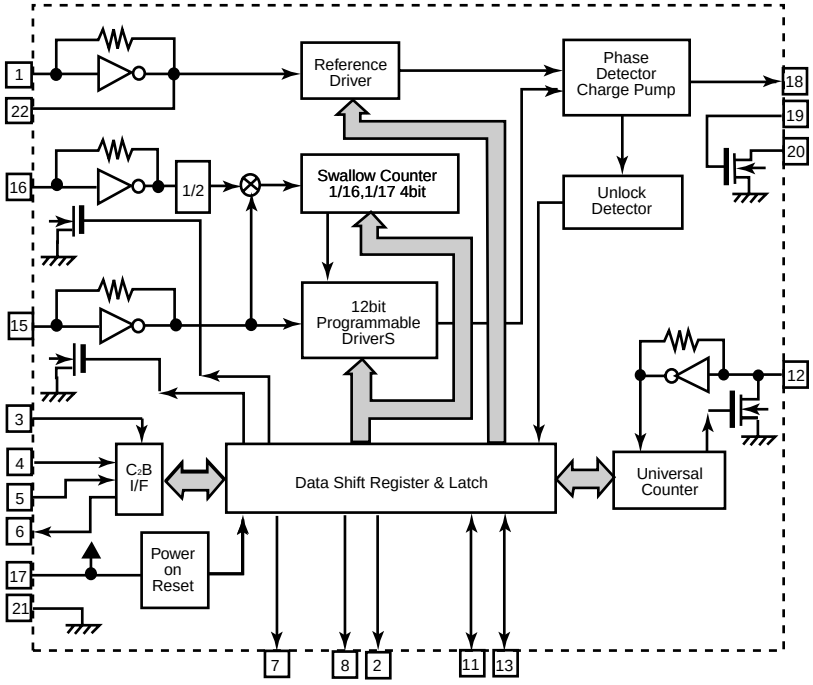
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	FM IN	I	This is an input terminal of FM IF signal.	16	L OUT	O	Left channel signal output.
2	AM MIX	O	This is an out put terminal for AM mixer.	17	R OUT	O	Right channel signal output.
3	FM IF	I	Bypass of FM IF	18	L IN	I	Input terminal of the left channel post AMP.
4	AM IF	I	Input of AM IF Signal.	19	R IN	I	Input terminal of the right channel post AMP.
5	GND	—	This is the device ground terminal.	20	RO	O	Mpx Right channel signal output.
6	TUNED	O	When the set is tuning, this terminal becomes "L".	21	LO	O	Mpx Left channel signal output.
7	STEREO	O	Stereo indicator output. Stereo "L", Mono: "H"	22	IF IN	I	Mpx input terminal
8	VCC	—	This is the power supply terminal.	23	FM OUT	O	FM detection output.
9	FM DET	—	FM detect transformer.	24	AM DET	O	AM detection output.
10	AM SD	—	This is a terminal of AM ceramic filter.	25	AM AGC	I	This is an AGC voltage input terminal for AM
11	FM VSM	O	Adjust FM SD sensitivity.	26	AFC	—	This is an output terminal of voltage for FM-AFC.
12	AM VSM	O	Adjust AM SD sensitivity.	27	AM RF	I	AM RF signal input.
13	MUTE	I/O	When the signal of IF REQ of IC121(LC72131) appear, the signal of FM/AM IF output. //Muting control input.	28	REG	O	Register value between pin 26 and pin28 desides the frequency width of the input signal.
14	FM/AM	I	Change over the FM/AM input. "H" :FM, "L" : AM	29	AM OSC	—	This is a terminal of AM Local oscillation circuit.
15	MONO/ST	O	Stereo : "H", Mono: "L"	30	OSC BUFFER	O	AM Local oscillation Signal output.

■ LC72136N (IC121) : PLL frequency synthesizer

1. Pin layout



2. Block diagram

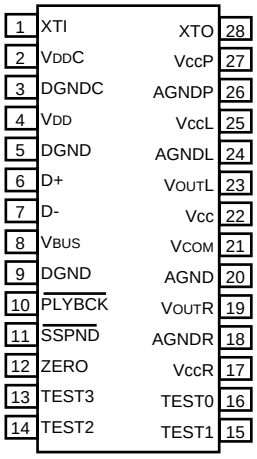


3. Pin function

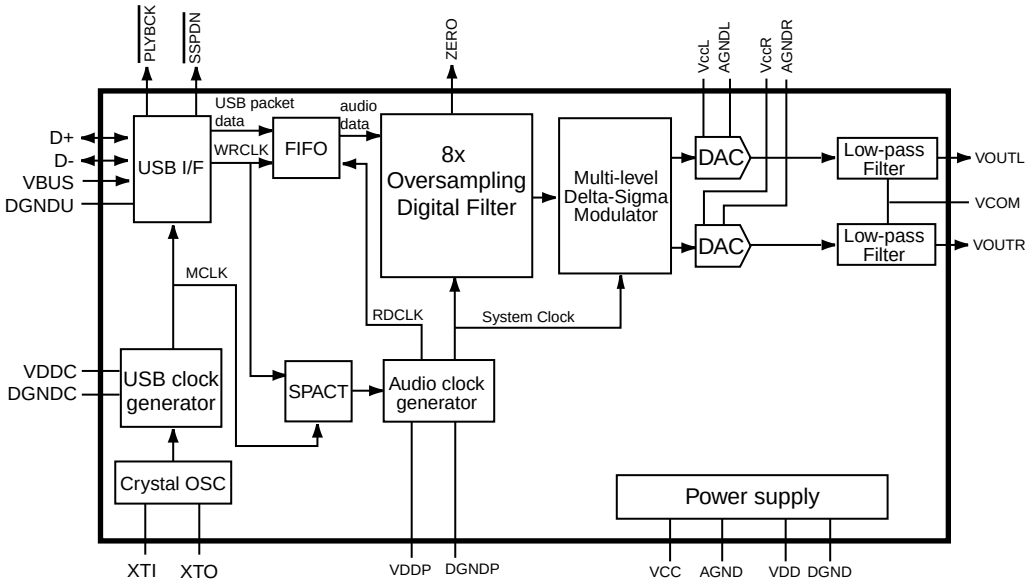
Pin No.	Symbol	I/O	Function	Pin No.	Symbol	I/O	Function
1	XT	I	X'tal oscillator connect (75kHz)	12	IFIN	I	IF counter signal input
2	$\overline{FM}$/AM	O	LOW:FM mode	13	IFCONT	O	IF signal output
3	CE	I	When data output/input for 4pin(input) and 6pin(output): H	14		-	Not use
4	DI	I	Input for receive the serial data from controller	15	AMIN	I	AM Local OSC signal output
5	CLOCK	I	Sync signal input use	16	FMIN	I	FM Local OSC signal input
6	DO	O	Data output for Controller Output port	17	VCC	-	Power suplly(VDD=4.5-5.5V) When power ON:Reset circuit move
7	FM/ST/VCO	O	"Low": MW mode	18	PD	O	PLL charge pump output(H: Local OSC frequency Height than Reference frequency. L: Low Agreement: Height impedance)
8	$\overline{AM}$/FM	O	Open state after the power on reset	19	LPFIN	I	Input for active lowpassfilter of PLL
9	LW	I/O	Input/output port	20	LPFOUT	O	Output for active lowpassfilter of PLL
10	MW	I/O	Input/output port	21	GND	-	Connected to GND
11	SDIN	I/O	Data input/output	22	$\overline{XT}$	I	X'tal oscillator(75KHz)

■ PCM2702ED-X (IC410) : USB D/A converter

1.Pin layout



2. Block diagram



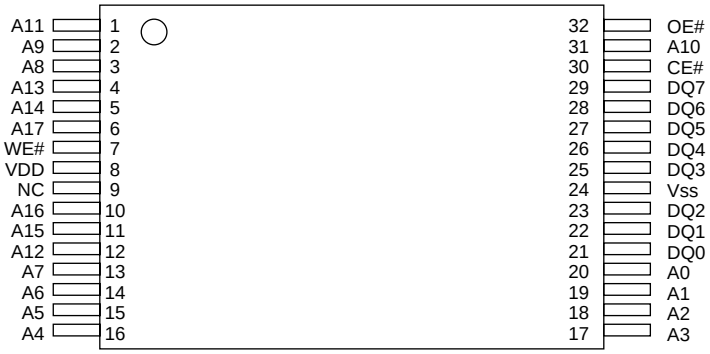
3.Pin function

Pin No.	Symbol	I/O	Function
1	XTI	IN	Crystal Oscillator Input. (1)
2	VDDC	-	Digital Power Supply for Clock Generator, +3.3V.
3	DGNDC	-	Digital Ground for Clock Generator.
4	VDD	-	Digital Power Supply, +3.3V.
5	DGND	-	Digital Ground.
6	D+	I/O	USB Differential Input/Output Plus.
7	D-	I/O	USB Differential Input/Output Minus.
8	VBUS	IN	USB Bus Power (This pin NEVER consumes the USB bus power). (2)
9	DGNDU	-	Digital Ground for USB Transceiver.
10	$\overline{\text{PLYBCK}}$	OUT	Playback flag, active LOW. (LOW: playback, HIGH: idle).
11	$\overline{\text{SSPND}}$	OUT	Suspend flag, active LOW. (LOW: suspend, HIGH: operational).
12	ZERO	OUT	Zero flag, (LOW: Normal, HIGH: ZERO).
13	TEST3	IN	Test pin 3. Connect to digital ground. (2)
14	TEST2	IN	Test pin 2. Connect to digital ground. (2)
15	TEST1	IN	Test pin 1. Connect to digital ground. (2)
16	TEST0	IN	Test pin 0. Connect to digital ground. (2)
17	VccR	-	Analog Supply for R-channel, +5V.
18	AGNDR	-	Analog Ground for R-channel.
19	VOUTR	OUT	Analog Output for R-channel.
20	AGND	-	Analog Ground.
21	VCOM	-	Common for DAC.
22	Vcc	-	Analog Supply, +5V.
23	VOUTL	OUT	Analog output for L-channel.
24	AGNDL	-	Analog Ground for L-channel.
25	VccL	-	Analog Supply for L-channel, +5V.
26	AGNDP	-	Analog Ground for PLL.
27	VccP	-	Analog Supply for PLL, +5V.
28	XTO	OUT	Crystal Oscillator Output.

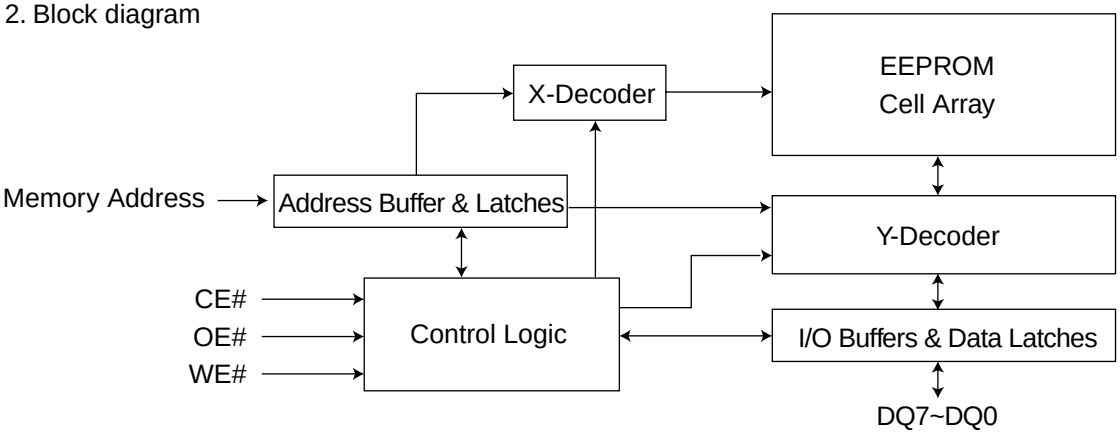
Note:
(1) 3.3V tolerant.
(2) Schmitt trigger input with internal pull-down, 5V tolerant.

■ 39VF0207CWHP02 (IC511) : EEPROM

1. Pin layout



2. Block diagram

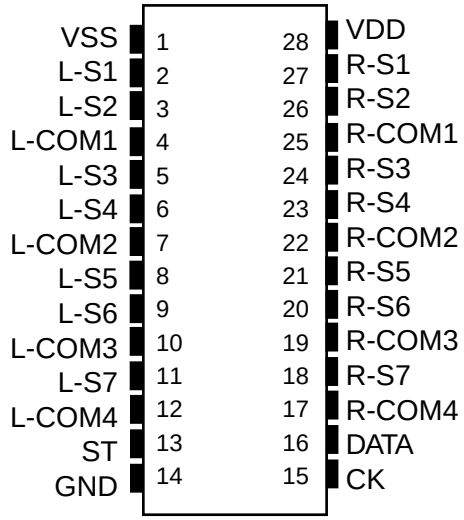


3. Pin function

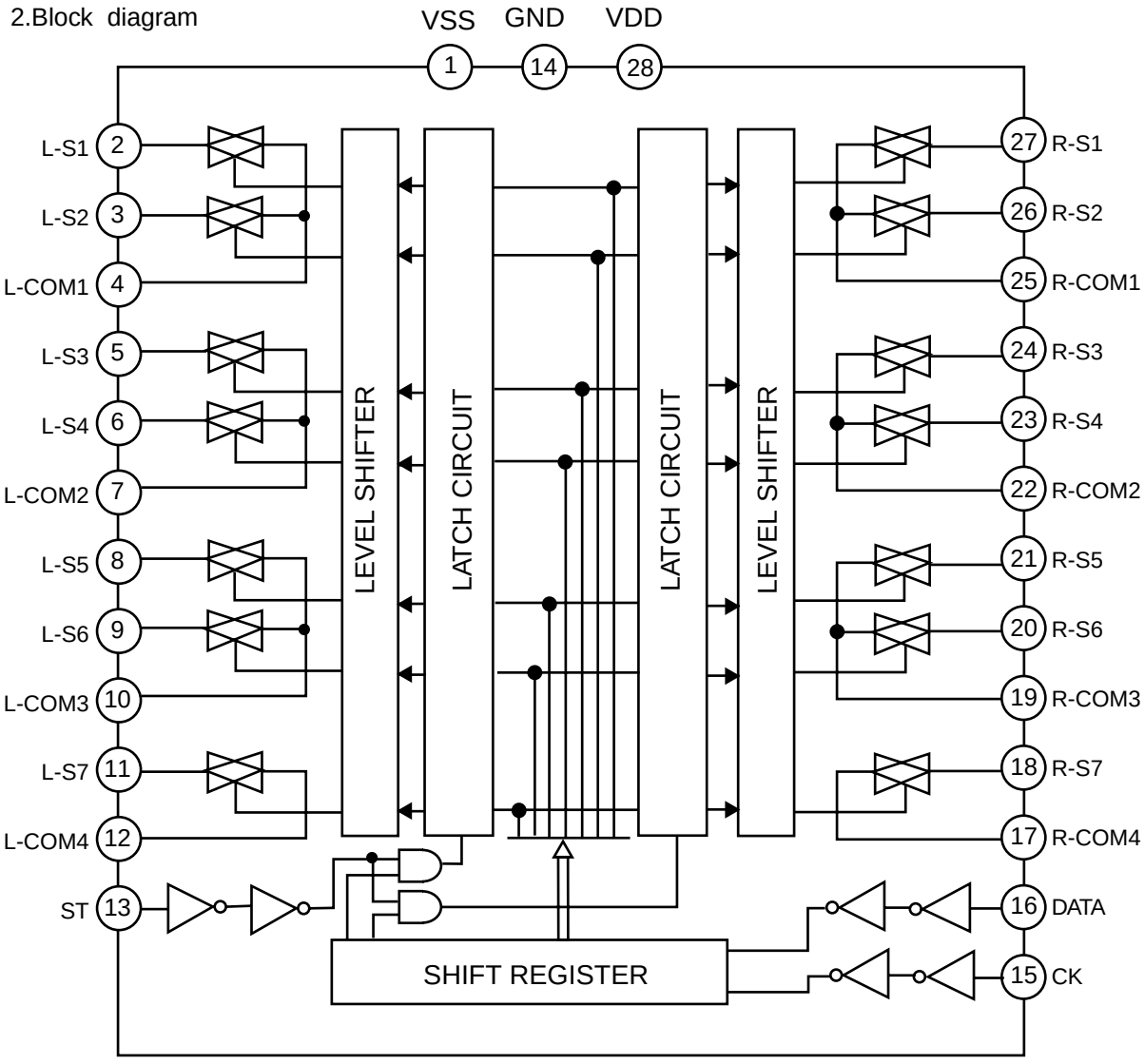
Symbol	Pin name	Function
AMS- A0	Address Inputs	To provide memory address. During Sector-Erase AMS-A12 address lines will select the sector.
DQ7- DQ0	Data Input/Output	To output data during read cycles and receive input data during write cycles. Data is internally latched during a write cycle. The outputs are in tri-state when OE# or CE# is high.
CE#	Chip Enable	To active the device when CE# is low.
OE#	Output Enable	To gate the data output buffers.
WE#	Write Enable	To control the write operations.
VDD	Power Supply	To provide power supply voltage: 3.0-3.6V for SST39LF512/010/020/040 2.7-3.6V for SST39VF512/010/010/040
Vss	Ground	
NC	No Connection	Unconnected Pins

■ TC9162AF (IC380) : Analog switch

1.Pin layout

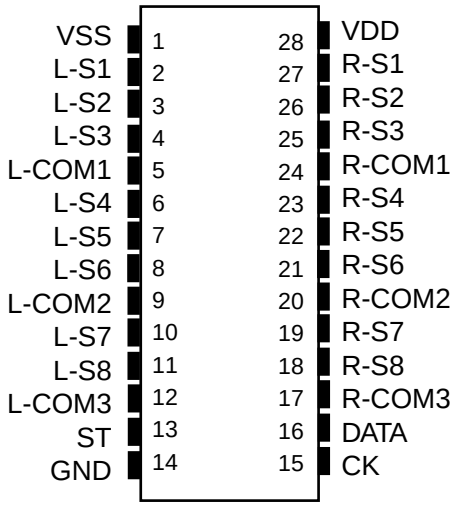


2.Block diagram

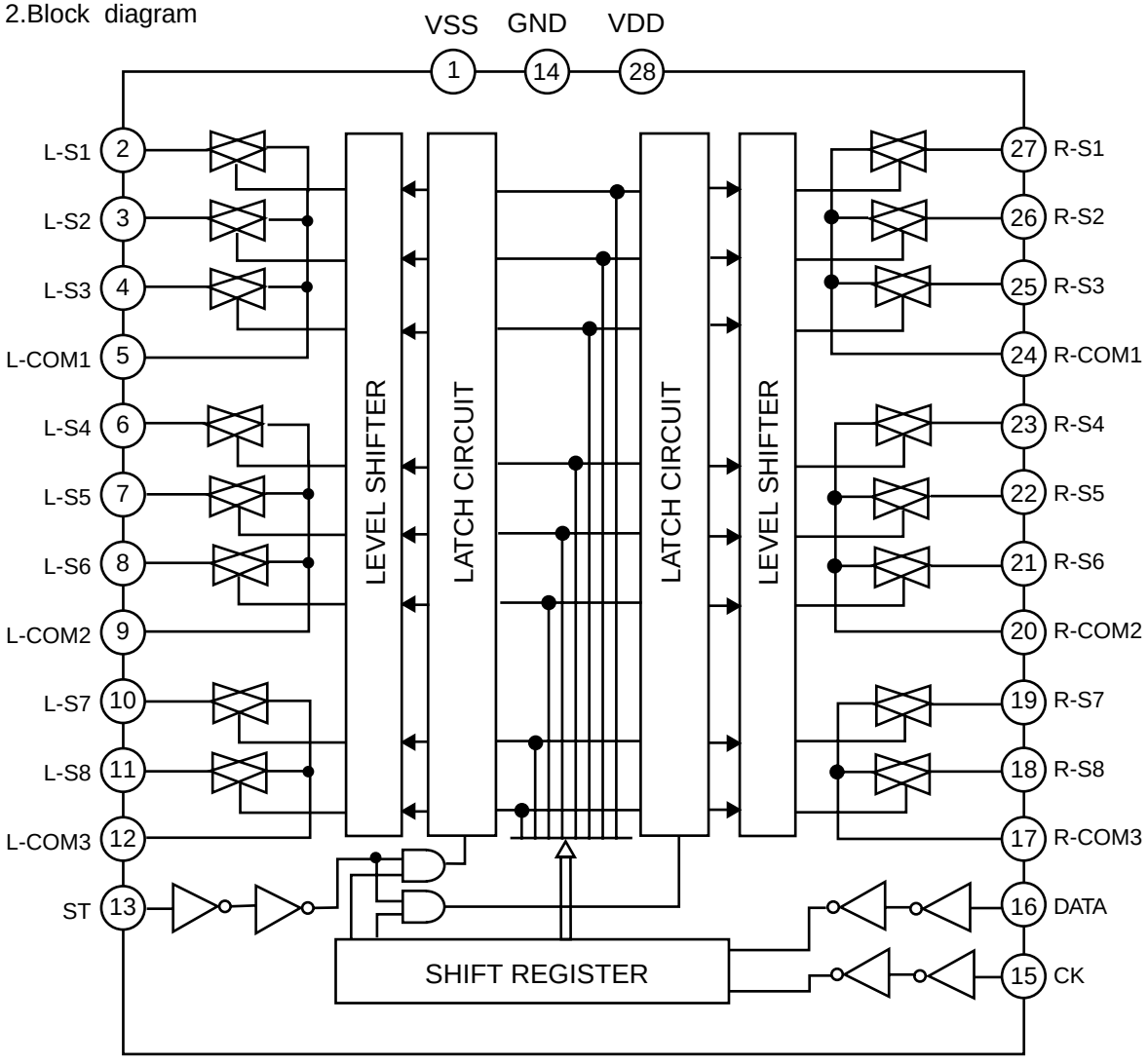


■TC9163AF-X (IC371) : Analog switch

1.Pin layout

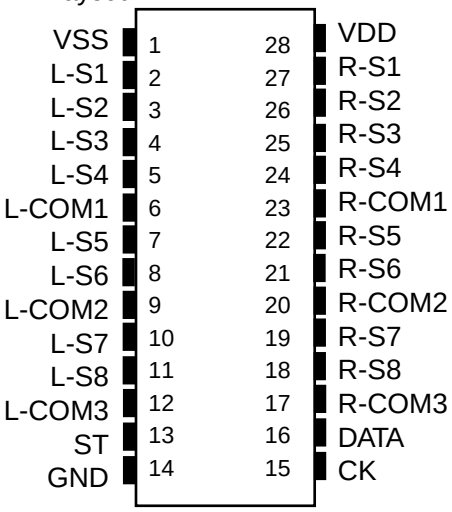


2.Block diagram

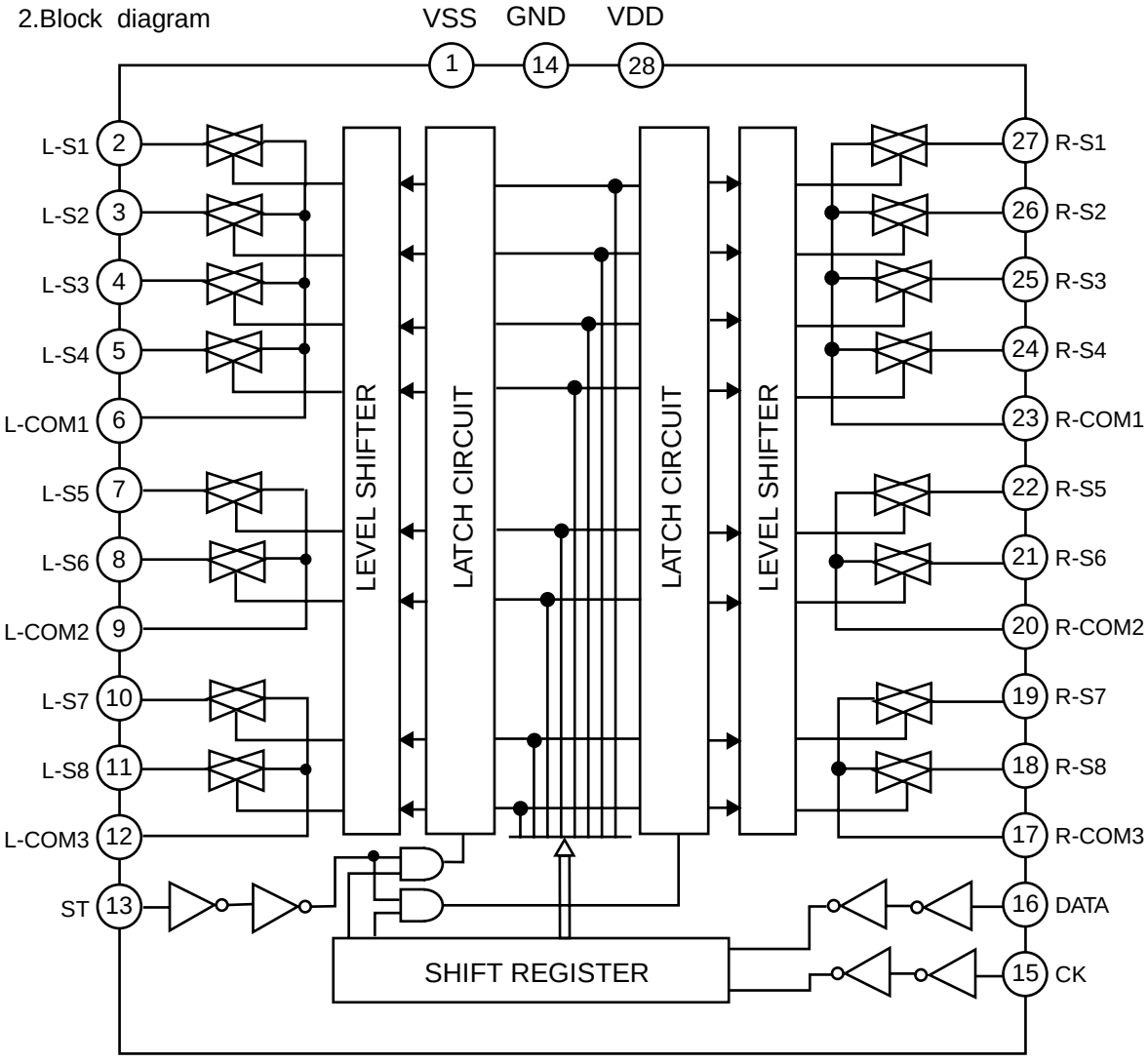


■ TC9164AF-X (IC302) : Analog switch

1.Pin layout

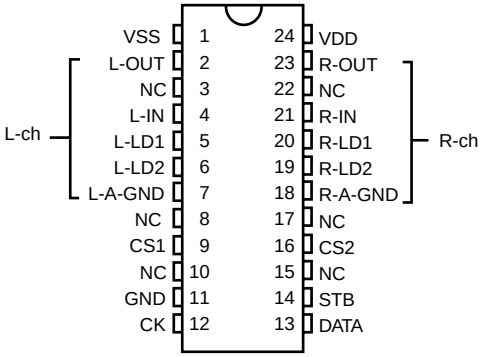


2.Block diagram

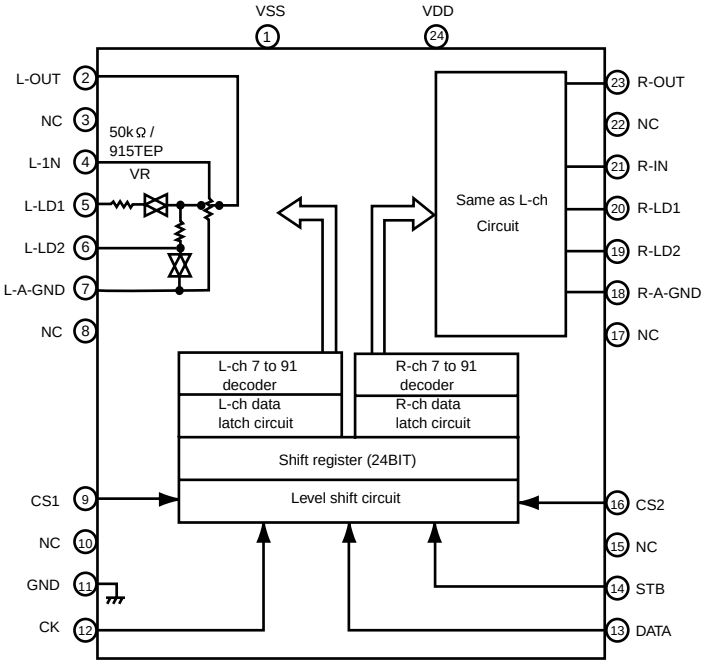


■ TC9459F (IC381, IC382, IC383, IC384) : Electronic volume control

1.Pin layout



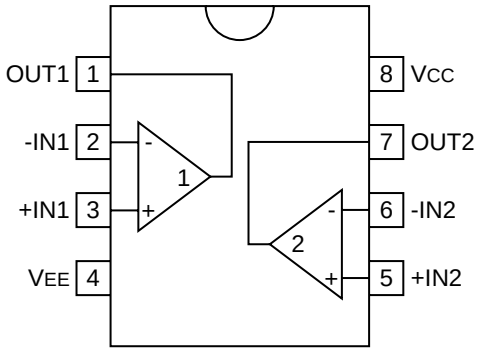
2. Block diagram



3.Pin function

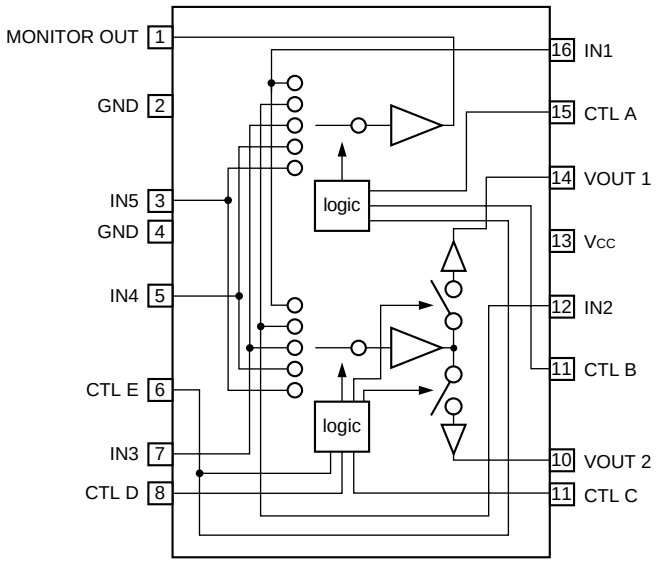
Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	VSS	Negative power supply pin	13	DATA	Data input pin
2	L-OUT	Volume output pin	14	STB	Strobe input pin
3	NC	No connection	15	NC	No connection
4	NC	No connection	16	CS2	Chip select input pin
5	L-LD1	Loudness tap output pin	17	NC	No connection
6	L-LD2	Loudness tap output pin	18	R-A-GND	Analog GND pin
7	L-A-GND	Analog GND pin	19	R-LD2	Loudness tap output pin
8	NC	No connection	20	R-LD1	Loudness tap output pin
9	CS1	Chip select input pin	21	R-IN	Volume input pin
10	NC	No connection	22	NC	No connection
11	NC	No connection	23	R-OUT	Volume output pin
12	CK	Clock input pin	24	VDD	Positive power supply pin

■ BA15218F (IC303, IC304, IC372, IC386, IC396, IC397, IC398, IC399, IC521, IC522, IC523, IC524, IC525, IC526, IC528, IC529, IC530) : Op amp.



■ BA7625 (IC201, IC242) : Video selector

1. Block diagram



2. Truth table

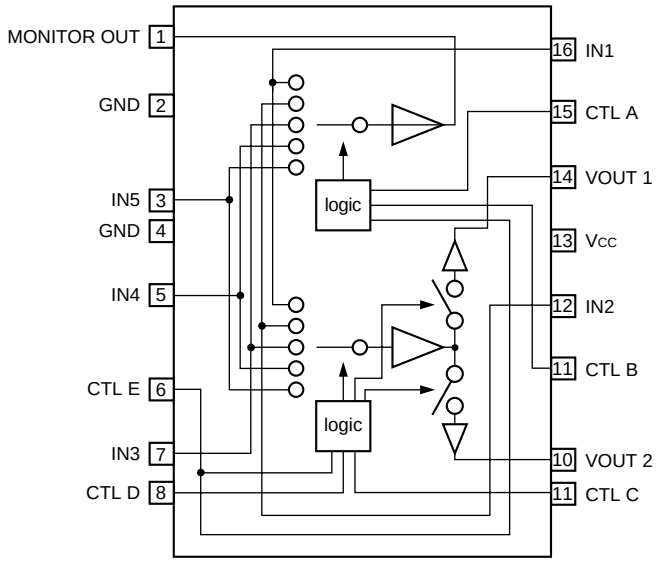
A	B	E	MONITOR OUT
L	L	*	IN1
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT1
L	L	*	--
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT2
L	L	*	IN1
H	L	*	--
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

■ BA7626 (IC241) : Video selector

1. Block diagram



2. Truth table

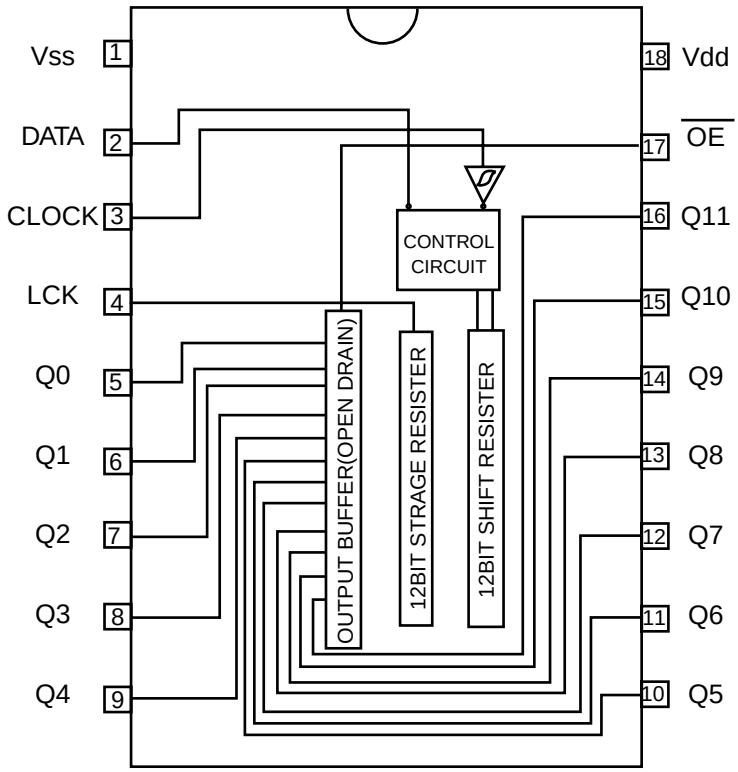
A	B	E	MONITOR OUT
L	L	*	IN1
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT1
L	L	*	--
H	L	*	IN2
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

C	D	E	VOUT2
L	L	*	IN1
H	L	*	--
L	H	*	IN3
H	H	L	IN4
H	H	H	IN5

■ BU2092 (IC402) : Port expander

1.Pin layout

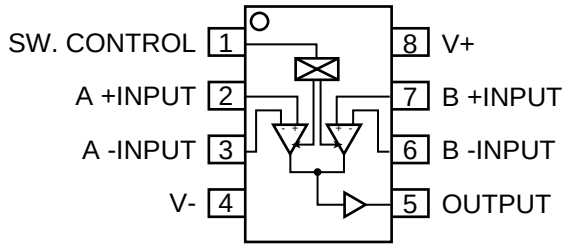


2.Pin function

Pin No.	Symbol	I/O	Function
1	Vss	-	Connect to GND
2	DATA	I	Serial Data input
3	CLOCK	I	Shift Clock of Data
4	LCK	I	Latch Clock of Data
5~16	Q0~Q11	O	Parallel Data Output Latch Data: L / H OUTPUT: ON / OFF
17	$\overline{OE}$	I	Output Enable
18	Vdd	-	Power Supply

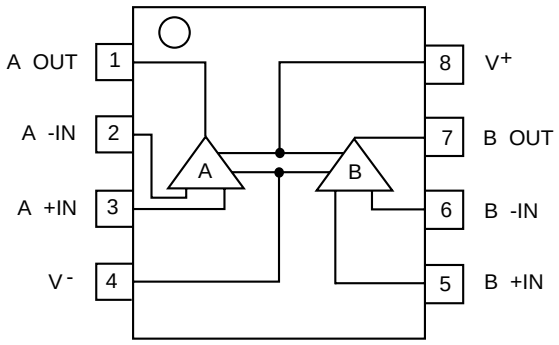
■ NJM2121M-X (IC527) : Op amp.

1. Block diagram



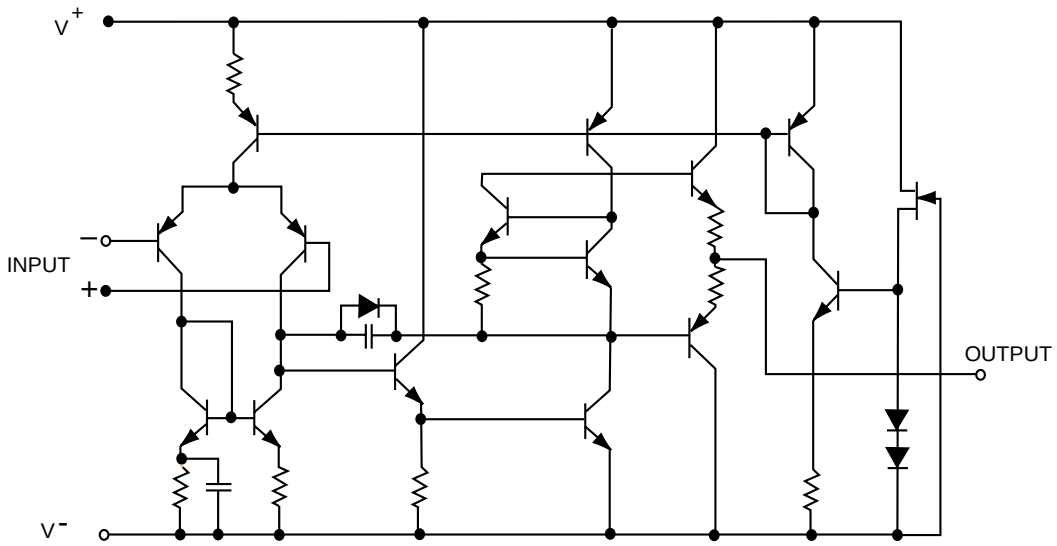
■ NJM4580DD (IC301) : LPF, Mic and headphone amp.

1.Pin layout

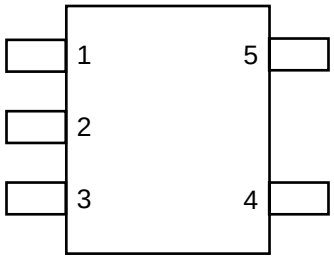


(TOP VIEW)

2.Block diagram

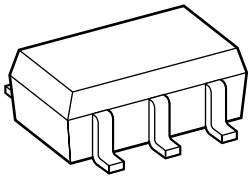


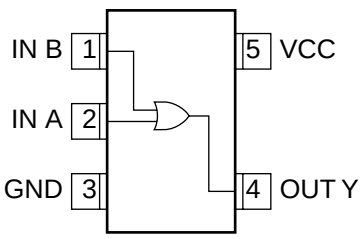
■ NJU7241F33 (IC411) : Voltage regulator



PIN FUNCTION
1. GND
2. V_{IN}
3. V_{OUT}
4. +NC
5. STB

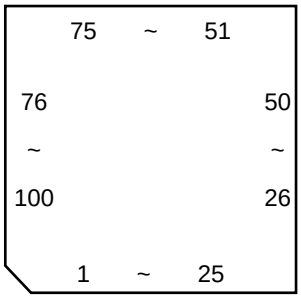
■ TC7SET32FU (IC582) : 2 input or gate





■ UPD784215AGC188 (IC581) : CPU

1. Pin layout



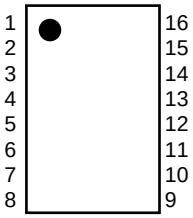
2. Pin function

Pin No.	Symbol	I/O	Function
1~8		O	-
9	VDD		+3.0V
10	X2		Main system clock input
11	X1	I	Main system clock input
12	VSS		GND
13	XT2		OPEN
14	XT1	I	Connect to VSS
15, 16		I	
17	INT0	I	Error input1 (ditect UNLOCK)
18	INT1	I	Error input2 (ditect Non Audio)
19	DZF	I	GND
20~22		I	
23	AVDD		The same potential as VDD
24	AV REF0		The same potential as VSS
25		I	
26	CS1	I	Chip select input port
27	CS2	O	Chip select input port
28	CS3	I	Chip select input port
29	CS4	I	Chip select input port
30~32		I	
33	AVSS		The same potential as VSS
34, 35		O	
36	AV REF1		The same potential as VDD
37	RX	O	For flash write
38	TX	O	For flash write
39		O	
40	DSP COM	I	Command (serial 1)
41	DSP STS	O	Status (Serial 1)
42	DSP CLK	I	Clock (Serial 1)
43	DSP RDY	I	Ready
44		O	
45	MISO	I	Data in (Serial 0)
46	MOSI	O	Data out (Serial 0)
47	SCK	O	Clock (Serial 0)
48	HREQ	I	HREQ
49	SS	O	System slave select

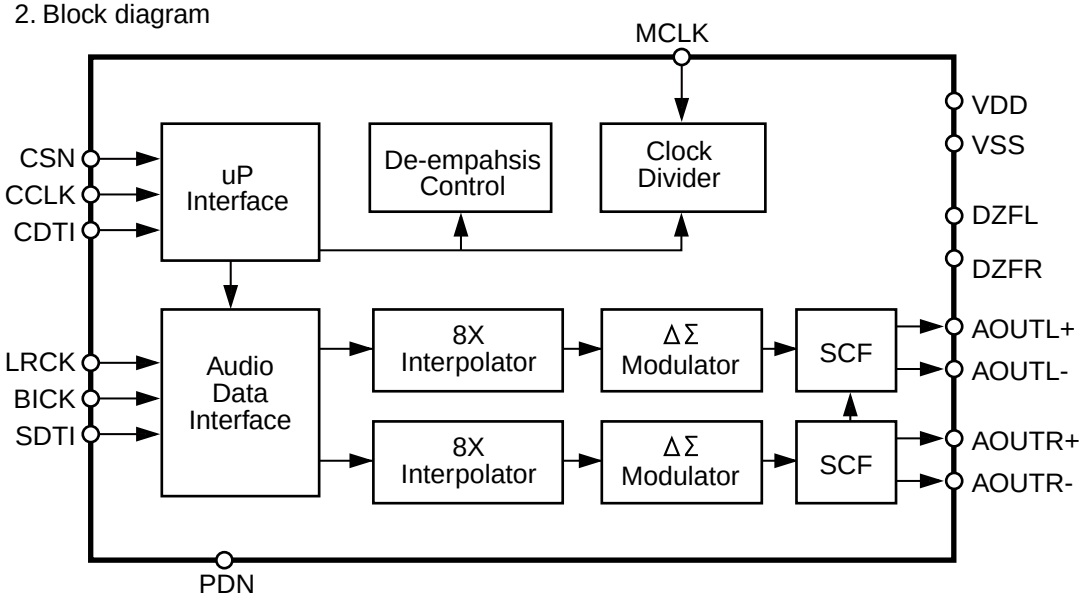
Pin No.	Symbol	I/O	Function
50,51		O	
52	DSP_RST	O	DSP RESET
53		O	
54	DA_CS	O	Chip select output
55		O	
56	PD_DA	O	Power down output (RESET)
57	PD	O	Power down output (RESET)
58~63		O	
64	CSTI	O	Data out
65	CDTO	I	Data in
66	CCLK	O	Clock
67	C_CS	O	Chip select output
68	DEBUG1	O	Debug out port
69	DEBUG2	O	Debug out port
70	DEBUG3	O	Debug out port
71	GEBUG4	O	Debug out port
72	GND		GND
73~75		O	
76	EQ	O	EQ
77	CTR_TONE	O	Center tone
78	3D	O	3D-Phonic
79, 80		O	
81	VDD		+3.0V
82, 83		O	
84	ANA_TT	O	ANALOG./T.TONE
85	LFE_MIX	O	LFE MIX CONTROL
86	LFE_CONT	O	LFE OUT CONTROL
87		O	
88	S_MUTE	O	S.MUTE
89~93		O	
94	TEST		Usual "VSS"
95~100		O	

■ AK4382AVT-X (IC572) : D/A converter

1. Pin layout



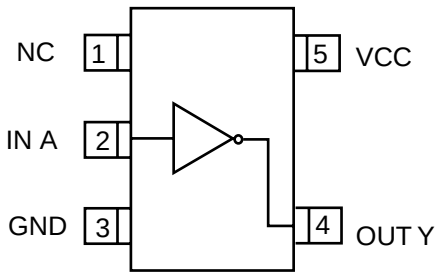
2. Block diagram



3. Pin function

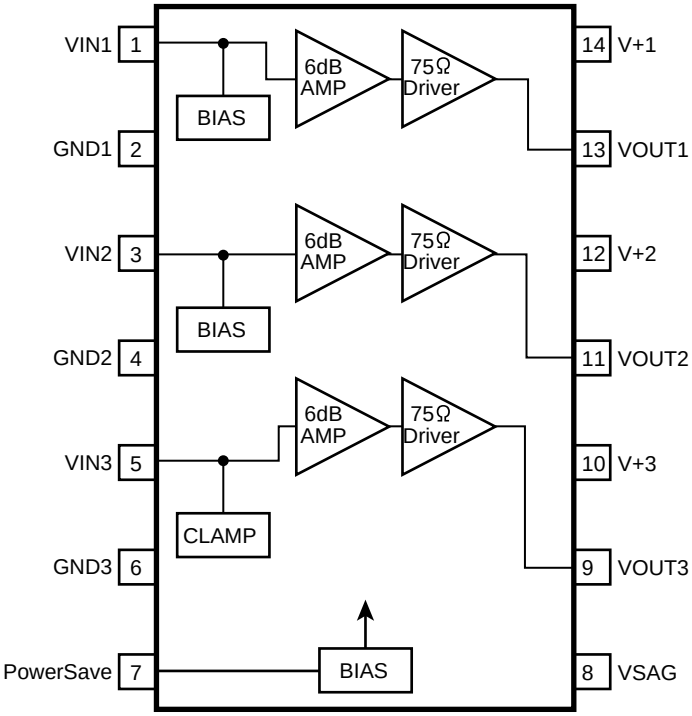
Pin No.	Symbol	I/O	Function
1	MCLK	I	Master Clock Input Pin
2	BICK	I	Audio Serial Data Clock Pin
3	SDTI	I	Audio Serial Data Input Pin
4	LRCK	I	L/R Clock Pin
5	PDN	I	Power-Down Mode Pin
6	CSN	I	Chip Select Pin
7	CCLK	I	Control Data Input Pin
8	CDTI	I	Control Data Input Pin
9	AOUTR-	O	Rch Negative Analog Output Pin
10	AOUTR+	O	Rch Positive Analog Output Pin
11	AOUTL-	O	Lch Negative Analog Output Pin
12	AOUTL+	O	Lch Positive Analog Output Pin
13	VSS	-	Ground Pin
14	VDD	-	Power Supply Pin
15	DZFR	O	Rch Data Zero Input Detect Pin
16	DZFL	O	Lch Data Zero Input Detect Pin

■ TC7S04FU (IC502, IC503) : CMOS Inverter



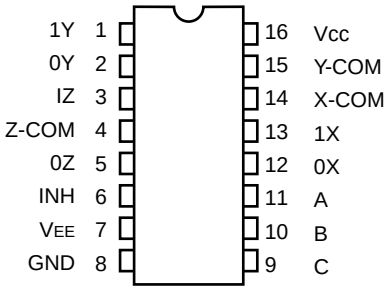
■ NJM2580M-X (IC390) : Video amp.

1. Block diagram



■ TC74HC4053AF (IC388, IC389) : Multiplexe

1. Pin layout



2. Truth table

CONTROL INPUTS			
INHIBIT	C	B	A
L	L	L	K
L	L	L	H
L	L	H	K
L	L	H	H
L	H	L	K
L	H	L	H
L	H	H	K
L	H	H	H
H	X	X	X

X: Don't Care.

PARTS LIST

[RX-8022PSL]

* All printed circuit boards and its assemblies are not available as service parts.

Area Suffix

A ---------- Australia

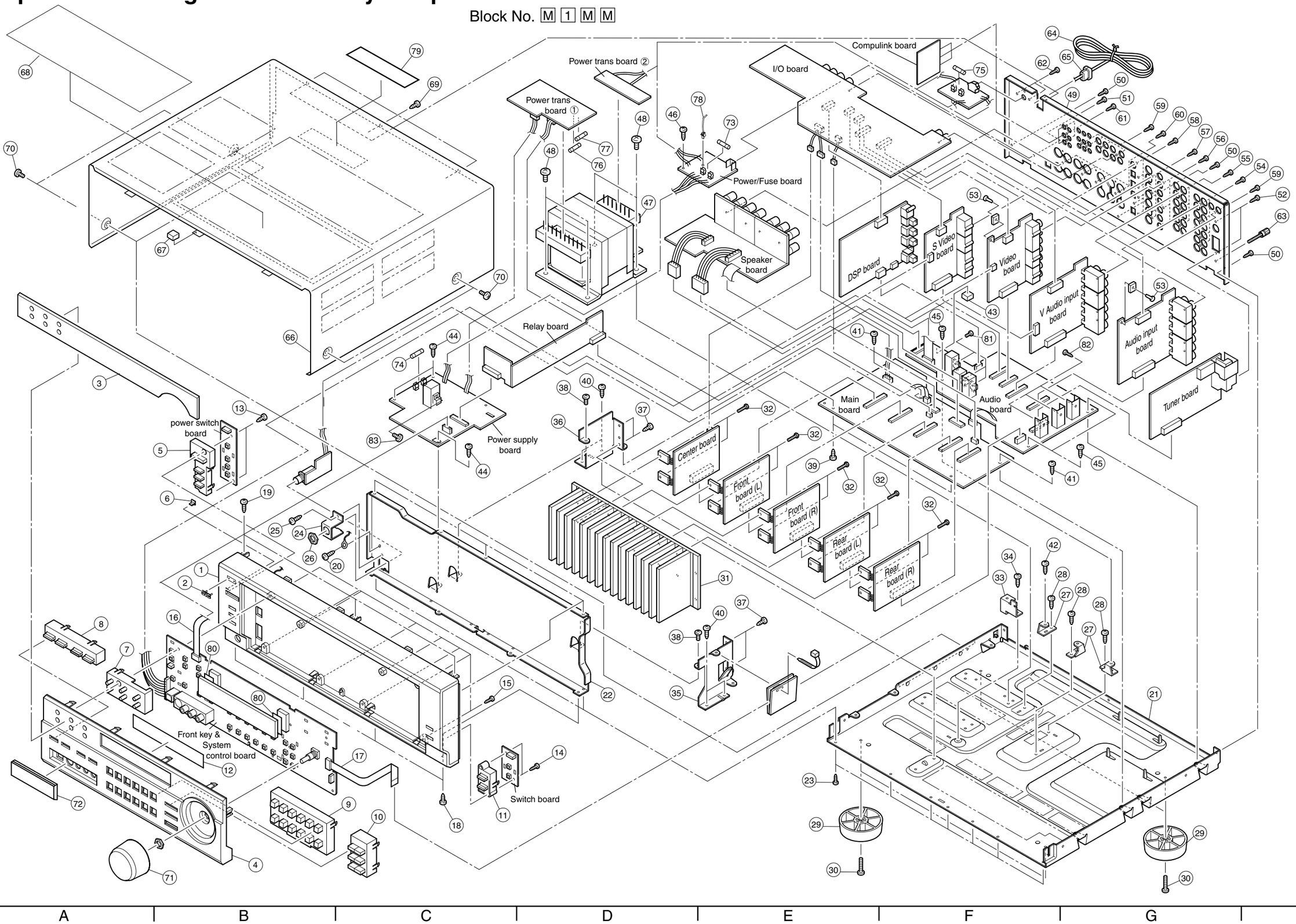
- Contents -

Exploded view of general assembly and parts list (Block No.M1) -------- 3- 3
Electrical parts list (Block No.01~07) ---------- 3- 5
Packing materials and accessories parts list (Block No.M3,M5) ---------- 3-24

< MEMO >

Exploded view of general assembly and parts list

Block No. M 1 M M



■ Parts list (General assembly)

Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	1	LV10469-014A	FRONT PANEL	1	RX-8022PSLA	
	2	VJD5429-002SS	JVC MARK	1		
	3	LV20949-007A	LENS	1		
	4	LV10470-006A	SUB PANEL	1	SL MODEL	
	5	LV20939-002A	PUSH BUTTON	1	POWER SL MODEL	
	6	LV42096-001A	INDICATOR	1	POWER	
	7	LV20951-001A	PUSH BUTTON	1	TUNER	
	8	LV20940-002A	P.BUTTON ASSY	1	DOLBY	
	9	LV20944-002A	P.BUTTON ASSY	1	SOURCE	
	10	LV20942-002A	PUSH BUTTON	1	SEA	
	11	LV32486-002A	P.BUTTON ASSY	1	LINE STRAIGHT	
	12	LV42095-002A	FL SCREEN	1		
	13	QYSBSF2610Z	SCREW	2	FRONT C.B	
	14	QYSBSF2610Z	SCREW	2		
	15	QYSBSF2610Z	SCREW	8	FRONT C.B FL	
	16	QUQ412-0815CJ	FFC WIRE	1		
	17	QUQ412-1030CJ	FFC WIRE	1		
	18	QYSDSG3006Z	SCREW	4	FRONT D	
	19	QYSBSG3006Z	T.SCREW	3	FRONT U	
	20	QYSBSG3006Z	T.SCREW	1	EARTH LUG-F.BKT	
	21	LV10019-003A	CHASSIS BASE	1		
	22	LV10471-002A	FRONT BRACKET	1		
	23	QYSDSG3006Z	SCREW	7	C.B-F.B	
	24	LV42094-003A	H.P BKT	1		
	25	QYSBSG3006Z	T.SCREW	1	H.P BKT-F.B	
	26	VKZ4150-001	SPECIAL NUT	1		
	27	E68587-223SM	CB BKT	3		
	28	QYSBST3006Z	T.SCREW	3	C.B-BKT	
	29	QZF6018-003	FOOT	4		
	30	QYSBST3010Z	T.SCREW	4	FOOT	
	31	LV20984-002A	HEAT SINK	1	CORRUGATE	
	32	QYSBSG3012E	SCREW	10	TR	
	33	LV42098-001A	C.B BKT	1	PRI/SEC C.B	
	34	QYSBST3006Z	T.SCREW	1	C.B BKT	
	35	LV32433-001A	H.S BRACKET(R)	1		
	36	LV32434-001A	H.S BRACKET(L)	1		
	37	QYSBSG3008Z	T.SCREW	4	H.S-BKT	
	38	QYSBST3006Z	T.SCREW	2	H.S BKT-F.BKT	
	39	QYSBSG3006Z	T.SCREW	2	H.S BKT	
	40	QYSBST3006Z	T.SCREW	4	H.S BKT-CHASSIS	
	41	QYSBSG3006Z	T.SCREW	2	M.C.B	
	42	E65923-003	TAPPING SCREW	1	M.C.B	
	43	LV30225-0B2A	SPACER	1		
	44	QYSBSG3006Z	T.SCREW	3	H.S-C.B	
	45	QYSBSG3006Z	T.SCREW	3	P.C.B-CHASSIS	
	46	QYSBSG3006Z	T.SCREW	1	C.B-CHASSIS	
⚠	47	QQT0325-003	TRANSFORMER	1		
	48	QYSDSTL4008Z	SPECIAL SCREW	4	P.TRANS	

■ Parts list (General assembly)

Block No. M1MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	49	LV10660-005A	REAR PANEL	1	RX-8022PSLA	
	50	QYSBSGY3008M	SPECIAL SCREW	3	R.P-C.BASE	
	51	QYSBSGY3008M	SPECIAL SCREW	1	R.P BKT	
	52	QYSBSGY3008M	SPECIAL SCREW	2	TUNER	
	53	FMYH4004-001	PLASTIC RIVET	2	A.INPUT.VIDEO	
	54	QYSBSGY3008M	SPECIAL SCREW	4	A.INPUT	
	55	QYSBSGY3008M	SPECIAL SCREW	3	V.INPUT	
	56	QYSBSGY3008M	SPECIAL SCREW	3	VIDEO	
	57	QYSBSGY3008M	SPECIAL SCREW	4	S VIDEO	
	58	QYSBSGY3008M	SPECIAL SCREW	6	DIGITAL	
	59	QYSBSGY3008M	SPECIAL SCREW	5	COMP C.B	
	60	QYSBSGY3008M	SPECIAL SCREW	4	SPK C.B	
	61	QYSBSGY3008M	SPECIAL SCREW	3	COMPULINK	
	62	QYSBSGY3008M	SPECIAL SCREW	2	VOL SEL	
	63	E409257-001	GND TERMINAL	1		
⚠	64	QMPG040-244-JD	POWER CORD	1		
⚠	65	QZW0033-001	STRAIN RELIEF	1		
	66	LV20038-010A	TOP COVER	1	SL MODEL	
	67	LV30225-088A	SPACER	1	FOR TOP COVER	
	68	LV30077-006A	PROTECT SHEET	1	SL	
	69	QYSBSGY3008M	SPECIAL SCREW	3		
	70	E406308-004	SPECIAL SCREW	4		
	71	LV32435-004A	VOL KNOB	1	SL	
	72	LV32488-004A	COVER	1	JACK COVER	
⚠	73	QMF51W2-6R3-J8	FUSE	1	F 1	
⚠	74	QMF51E2-R10-J1	FUSE	1	F 2	
⚠	75	QMF51W2-3R15-J8	FUSE	1	F 4	
⚠	76	QMF51W2-2R0-J8	FUSE	1	F 61	
⚠	77	QMF51W2-2R0-J8	FUSE	1	F 62	
	78	E307572-001	FASTENER	1		
	79	E409396-003	CAUTION LABEL	1		
	80	E3400-444	FELT SPACER	2	FS400,FS401	
	81	QYSBSG3008E	T.SCREW	3		
	82	QYSBSG3008E	T.SCREW	3		
	83	QYSBSG3008E	T.SCREW	1	UJ ONLY	

■ **Electrical parts list (Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	C 801	QFZ9076-104Z	MM CAPACITOR	UJ/E/EN	
	C 802	QFZ9076-104Z	MM CAPACITOR	UJ/E/EN	
	C 805	QFZ9076-104Z	MM CAPACITOR	UJ/E/EN	
	C 807	QEZ0588-688	E.CAPACITOR	6800MF	
	C 808	QEZ0588-688	E.CAPACITOR	6800MF	
	C 811	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 816	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C 823	QETN1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 824	QETN1EM-106Z	E CAPACITOR	10MF 20% 25V	
	C 833	QDVB1EZ-223Y	C CAPACITOR	EXCEPT J/C	
	C 834	QDVB1EZ-223Y	C CAPACITOR	EXCEPT J/C	
	C 835	QFLC1HJ-223Z	M CAPACITOR	EXCEPT J/C	
	C 836	QFLC1HJ-223Z	M CAPACITOR	EXCEPT J/C	
	C 837	QFLC1HJ-223Z	M CAPACITOR	EXCEPT J/C	
	C 838	QFLC1HJ-223Z	M CAPACITOR	EXCEPT J/C	
	C 839	QDVB1EZ-223Y	C CAPACITOR	EXCEPT J/C	
	C 840	QDVB1EZ-223Y	C CAPACITOR	EXCEPT J/C	
	C 841	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 842	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 843	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 844	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 845	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	
	C 846	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	
	C 847	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	
	C 848	QCS31HJ-221Z	C CAPACITOR	220PF 5% 50V	
	C 850	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 851	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 852	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 853	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 881	QCBB1HK-331Y	C CAPACITOR	EXCEPT J/C	
	C 883	QCBB1HK-331Y	C CAPACITOR	EXCEPT J/C	
	C 884	QCBB1HK-331Y	C CAPACITOR	EXCEPT J/C	
	C 885	QFVJ1HJ-473Z	MF CAPACITOR	EXCEPT J/C	
	C 886	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 887	QFVJ1HJ-473Z	MF CAPACITOR	EXCEPT J/C	
	C 888	QFVJ1HJ-473Z	MF CAPACITOR	EXCEPT J/C	
	C 889	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 890	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 891	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 892	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	C 893	QCS31HJ-221Z	C CAPACITOR	EXCEPT J/C	
	CN 72	QGB2510K1-11	CONNECTOR		
	CN 82	QGB2510K1-09	CONNECTOR		
	CN701	QGB2510J1-14	CONNECTOR		
	CN702	QGB2510J1-14	CONNECTOR		
	CN703	QGB2510J1-10	CONNECTOR		
	CN705	QGB2510J1-12	CONNECTOR		
	CN706	QGB2510J1-12	CONNECTOR		
	CN721	QGA2501C1-03	3P CONNECTOR		
	CN723	QGA2501C1-04	4P CONNECTOR		
	CN801	QJK012-032403	SKT WIRE ASSY		
	CN813	QGA3901C1-04	CONNECTOR		
	CN814	QGA3901C1-06	CONNECTOR		
⚠	CN823	QJK015-043004	SIN CR C-B WIRE		
⚠	CN824	QJK015-063504	SIN CR C-B WIRE		
	CN831	QGD2504C1-04Z	SOCKET		
	CN881	QGD2504C1-03Z	SOCKET		
⚠	D 801	30DF2-FC	DIODE		
⚠	D 802	30DF2-FC	DIODE		
⚠	D 803	30DF2-FC	DIODE		
⚠	D 804	30DF2-FC	DIODE		
	D 811	MTZJ20B-T2	Z DIODE	UJ	
	D 816	MTZJ18C-T2	Z.DIODE		
	D 825	1SS133-T2	SI DIODE		
	D 831	1SS133-T2	SI DIODE		
	D 832	1SS133-T2	SI DIODE		

⚠	Item	Parts number	Parts name	Remarks	Area
	D 841	MTZJ5.1C-T2	ZENER DIODE		
	D 842	1SS133-T2	SI DIODE		
	D 843	1SS133-T2	SI DIODE		
	D 844	1SS133-T2	SI DIODE		
	D 845	1SS133-T2	SI DIODE		
	D 846	1SS133-T2	SI DIODE		
	D 851	1SS133-T2	SI DIODE		
	D 852	1SS133-T2	SI DIODE		
	D 871	1SS133-T2	SI DIODE		
	EP801	QNZ0136-001Z	EARTH PLATE		
	FW931	QUM137-08DGZ4	PARA RIBON WIRE		
	L 843	QQLZ005-R45	INDUCTOR	EXCEPT J/C	
	L 844	QQLZ005-R45	INDUCTOR	EXCEPT J/C	
	L 845	QQLZ005-R45	INDUCTOR	EXCEPT J/C	
	Q 811	2SD2395/EF/	TRANSISTOR		
	Q 812	KTC3200/GL/-T	TRANSISTOR		
	Q 823	KTC3199/GL/-T	TRANSISTOR		
	Q 824	KTC3200/GL/-T	TRANSISTOR		
	Q 825	KTA1268/GL/-T	TRANSISTOR		
	Q 830	KRC109M-T	D.TRANSISTOR		
	Q 831	KRC109M-T	D.TRANSISTOR		
	Q 832	KRC109M-T	D.TRANSISTOR		
	Q 833	KRC109M-T	D.TRANSISTOR		
	Q 834	KRC109M-T	D.TRANSISTOR		
	Q 835	KRC109M-T	D.TRANSISTOR		
	Q 836	KRC109M-T	D.TRANSISTOR		
	R 801	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 802	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 811	QRJ146J-120X	UNF C RESISTOR	UJ/E/EN	
	R 812	QRK126J-332X	C RESISTOR	3.3K 5% 1/2W	
	R 813	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 814	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 815	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 816	QRL027J-332	UNF.OMF.RES.	3.3K 5% 1/2W	
	R 823	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 824	QRE141J-134Y	C RESISTOR	130K 5% 1/4W	
	R 825	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 826	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 831	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 832	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 833	QRJ146J-100X	UNF C RESISTOR	EXCEPT J/C	
	R 834	QRJ146J-100X	UNF C RESISTOR	EXCEPT J/C	
	R 837	QRJ146J-100X	UNF C RESISTOR	EXCEPT J/C	
	R 838	QRJ146J-100X	UNF C RESISTOR	EXCEPT J/C	
	R 841	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 842	QRE141J-823Y	C RESISTOR	82K 5% 1/4W	
	R 843	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 844	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 845	QRE141J-823Y	C RESISTOR	82K 5% 1/4W	
	R 851	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 852	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 855	QRJ146J-392X	UNF C RESISTOR	3.9K 5% 1/4W	
	R 856	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 857	QRE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R 858	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 859	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 860	QRE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R 861	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 862	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 863	QRE141J-682Y	C RESISTOR	6.8K 5% 1/4W	
	R 864	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 865	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 866	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 867	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 871	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 885	QRJ146J-100X	UNF C RESISTOR	EXCEPT J/C	

■ **Electrical parts list (Main board)** **Block No. 01**

⚠	Item	Parts number	Parts name	Remarks	Area
	R 887	QRJ146J-100X	UNF C RESISTOR	EXCEPT J/C	
	R 888	QRJ146J-100X	UNF C RESISTOR	EXCEPT J/C	
	RY831	QSK0109-001	RELAY		
	RY832	QSK0109-001	RELAY		
	RY851	QSK0109-001	RELAY		
	RY852	QSK0109-001	RELAY		
	RY871	QSK0109-001	RELAY		
	ST831	QNB0111-001	SPK.TERMINAL	UJ/E/EN	
	ST851	QNB0079-001	SPK TERMINAL	UJ/E/EN	

■ **Electrical parts list (Front board)** **Block No. 02**

⚠	Item	Parts number	Parts name	Remarks	Area
	BK400	LV42092-001A	FL HOLDER(R)		
	BK401	LV42093-001A	FL HOLDER(L)		
	C 400	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 401	NCB31CK-104X	C CAPACITOR		
	C 402	NCB31CK-104X	C CAPACITOR		
	C 404	NCB31EK-223X	C CAPACITOR		
	C 406	NCB31HK-331X	C CAPACITOR		
	C 407	QCZ0202-155Z	ML C CAPACITOR	1.5MF	
	C 408	NCB31EK-223X	C CAPACITOR		
	C 409	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 410	QEKC1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 411	NCB21AK-225X	C CAPACITOR		
	C 412	QEKC0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 420	NCB31HK-471X	C CAPACITOR		
	C 421	NCB31HK-471X	C CAPACITOR		
	C 422	NCB31HK-471X	C CAPACITOR		
	C 423	NCB31HK-471X	C CAPACITOR		
	C 424	NCB31HK-471X	C CAPACITOR		
	C 425	NCB31HK-471X	C CAPACITOR		
	C 430	NCB31CK-104X	C CAPACITOR		
	C 431	NCB31EK-223X	C CAPACITOR		
	C 432	NCS31HJ-220X	C CAPACITOR		
	C 433	NCS31HJ-220X	C CAPACITOR		
	C 435	NCB31CK-104X	C CAPACITOR		
	C 436	NCB31CK-104X	C CAPACITOR		
	C 437	NCB31CK-104X	C CAPACITOR		
	C 438	NCB31CK-104X	C CAPACITOR		
	C 439	NCB31CK-104X	C CAPACITOR		
	C 440	NCB31CK-104X	C CAPACITOR		
	C 441	QEKC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 442	QETN1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 443	QETN1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 444	NCS31HJ-331X	C CAPACITOR		
	C 448	NCB31CK-104X	C CAPACITOR		
	C 456	NCB31CK-104X	C CAPACITOR		
	C 460	NCB31CK-104X	C CAPACITOR		
	C 461	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 462	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 463	NCS31HJ-470X	C CAPACITOR	EXCEPT J/C	
	C 464	NCS31HJ-470X	C CAPACITOR	EXCEPT J/C	
	C 465	NCS31HJ-470X	C CAPACITOR	EXCEPT J/C	
	CN406	WJP0031-001A	C-B WIRE ASSY		
	CN410	QGF1205F1-10	CONNECTOR		
	CN412	QGF1205F1-08	CONNECTOR		
	CN420	QJK025-031301	SIN CR C-B WIRE	(LEFT)	
	CN422	QJK025-041201	SIN ID C-B WIRE	(RIGHT)	
	CN430	QGA2501C1-03	3P CONNECTOR		
	CN432	QGA2501C1-04	4P CONNECTOR		
	D 405	1SS133-T2	SI DIODE		
	D 410	SLR-342VC-T	LED	(FM/AM)	
	D 411	SLR-342VC-T	LED	(USB)	
	D 412	SLR-342VC-T	LED	(TAPE)	
	D 413	SLR-342VC-T	LED	(CDR)	
	D 414	SLR-342VC-T	LED	(PHONE)	
	D 415	SLR-342VC-T	LED	(CD)	
	D 416	SLR-342VC-T	LED	(TV/DBS)	
	D 417	SLR-342VC-T	LED	(VIDEO)	
	D 418	SLR-342VC-T	LED	(VCR2)	
	D 419	SLR-342VC-T	LED	(VCR1)	
	D 420	SLR-342VC-T	LED	(DVD MULTI)	
	D 421	SLR-342VC-T	LED	(DVD)	
	D 422	SLR-342VC-T	LED	(SURROUND)	
	D 423	SLR-342VC-T	LED	(DSP)	
	D 480	SLR-342VC-T	LED	(STANDBY)	
	D 490	SLR-342VC-T	LED	(DIRECT)	
	D 491	SLR-342VC-T	LED	(BASS)	

⚠	Item	Parts number	Parts name	Remarks	Area
	DI400	QLF0102-001	FL TUBE		
	IC400	MN101C35DHL1	IC		
	IC402	BU2092	IC		
	IC404	GP1UM281XK	IR DETECT UNIT		
	IC410	PCM2702ED-X	IC		
	IC411	NJU7241F33-X	IC		
	J 400	QND0026-001	S JACK		
	J 401	QNZ0541-001	USB JACK		
	JS400	QSW0898-001	JOG VOLUME		
	K 451	NQR0201-018X	INDUCTOR		
	K 452	NQR0201-018X	INDUCTOR		
	K 453	NQR0201-018X	INDUCTOR		
	K 454	NQR0201-018X	INDUCTOR		
	K 455	NQR0201-018X	INDUCTOR		
	PW401	QUB030-17PPHM	SIN TWIST WIRE		
	Q 402	DTC114TKA-X	TRANSISTOR		
	Q 403	DTC144WKA-X	TRANSISTOR		
	Q 404	KRC107S-X	DIGITAL.TR		
	Q 407	KRC107S-X	DIGITAL.TR		
	Q 408	KRC107S-X	DIGITAL.TR		
	Q 410	DTA114YKA-X	TRANSISTOR	(DIRECT)	
	Q 411	DTA114YKA-X	TRANSISTOR	(BASS)	
	Q 412	DTA114YKA-X	TRANSISTOR	(STANBY)	
	Q 413	DTA114YKA-X	TRANSISTOR	(SURROUND)	
	Q 414	DTA114YKA-X	TRANSISTOR	(DSP)	
	R 400	NRSA63J-102X	MG RESISTOR		
	R 401	NRSA63J-102X	MG RESISTOR		
	R 402	NRSA63J-122X	MG RESISTOR		
	R 403	NRSA63J-102X	MG RESISTOR		
	R 404	NRSA63J-102X	MG RESISTOR		
	R 405	NRSA63J-122X	MG RESISTOR		
	R 406	NRSA63J-152X	MG RESISTOR		
	R 407	NRSA63J-222X	MG RESISTOR		
	R 408	NRSA63J-272X	MG RESISTOR		
	R 409	NRSA63J-332X	MG RESISTOR		
	R 410	NRSA63J-102X	MG RESISTOR		
	R 411	NRSA63J-102X	MG RESISTOR		
	R 412	NRSA63J-122X	MG RESISTOR		
	R 413	NRSA63J-152X	MG RESISTOR		
	R 414	NRSA63J-222X	MG RESISTOR		
	R 415	NRSA63J-272X	MG RESISTOR		
	R 416	NRSA63J-332X	MG RESISTOR		
	R 417	NRSA63J-102X	MG RESISTOR		
	R 418	NRSA63J-102X	MG RESISTOR		
	R 419	NRSA63J-122X	MG RESISTOR		
	R 420	NRSA63J-152X	MG RESISTOR		
	R 421	NRSA63J-222X	MG RESISTOR		
	R 422	NRSA63J-272X	MG RESISTOR		
	R 423	NRSA63J-332X	MG RESISTOR		
	R 424	NRSA63J-102X	MG RESISTOR		
	R 425	NRSA63J-102X	MG RESISTOR		
	R 426	NRSA63J-122X	MG RESISTOR		
	R 431	NRSA63J-102X	MG RESISTOR		
	R 432	NRSA63J-102X	MG RESISTOR		
	R 433	NRSA63J-122X	MG RESISTOR		
	R 434	NRSA63J-152X	MG RESISTOR		
	R 435	NRSA63J-222X	MG RESISTOR		
	R 436	NRSA63J-102X	MG RESISTOR	VER 8020J	
	R 437	NRSA63J-102X	MG RESISTOR	VER 8020D	
	R 438	NRSA63J-122X	MG RESISTOR	VER 8020E	
	R 439	NRSA63J-152X	MG RESISTOR	VER 8020A	
	R 443	NRSA63J-102X	MG RESISTOR	NTSC	
	R 444	NRSA63J-102X	MG RESISTOR	PAL	
	R 445	NRSA63J-103X	MG RESISTOR		
	R 446	NRSA63J-103X	MG RESISTOR		
	R 447	NRSA63J-103X	MG RESISTOR		

■ **Electrical parts list (Front board)** **Block No. 02**

⚠	Item	Parts number	Parts name	Remarks	Area
	R 448	NRSA63J-103X	MG RESISTOR		
	R 449	NRSA63J-103X	MG RESISTOR		
	R 450	NRSA63J-103X	MG RESISTOR		
	R 451	NRSA63J-103X	MG RESISTOR		
	R 452	NRSA63J-103X	MG RESISTOR		
	R 453	NRSA63J-103X	MG RESISTOR		
	R 454	NRSA63J-103X	MG RESISTOR		
	R 455	NRSA63J-471X	MG RESISTOR		
	R 456	NRSA63J-103X	MG RESISTOR		
	R 457	NRSA63J-103X	MG RESISTOR		
	R 458	NRSA63J-103X	MG RESISTOR		
	R 459	NRSA63J-221X	MG RESISTOR		
	R 460	NRSA63J-221X	MG RESISTOR		
	R 461	NRSA63J-221X	MG RESISTOR		
	R 462	NRSA63J-221X	MG RESISTOR		
	R 463	NRSA63J-221X	MG RESISTOR		
	R 464	NRSA63J-221X	MG RESISTOR		
	R 465	NRSA63J-331X	MG RESISTOR		
	R 466	NRSA63J-331X	MG RESISTOR		
	R 467	NRSA63J-221X	MG RESISTOR		
	R 468	NRSA63J-221X	MG RESISTOR		
	R 469	NRSA63J-221X	MG RESISTOR		
	R 470	NRSA63J-750X	MG RESISTOR		
	R 471	NRSA63J-750X	MG RESISTOR		
	R 472	NRSA63J-750X	MG RESISTOR		
	R 473	NRSA63J-152X	MG RESISTOR		
	R 474	NRSA63J-105X	MG RESISTOR		
	R 475	NRSA63J-220X	MG RESISTOR		
	R 476	NRSA63J-220X	MG RESISTOR		
	R 477	NRSA63J-0R0X	MG RESISTOR		
	R 479	NRSA63J-181X	MG RESISTOR		
	R 480	NRSA63J-152X	MG RESISTOR		
	R 481	NRSA63J-222X	MG RESISTOR		
	R 482	NRSA63J-272X	MG RESISTOR		
	R 483	NRSA63J-392X	MG RESISTOR		
	R 486	NRSA63J-0R0X	MG RESISTOR		
	R 490	NRSA63J-272X	MG RESISTOR		
	R 491	NRSA63J-392X	MG RESISTOR		
	R 495	NRSA63J-102X	MG RESISTOR		
	S 400	QSW0683-001Z	PUSH SWITCH	(SURROUND)	
	S 401	QSW0683-001Z	PUSH SWITCH	(DSP)	
	S 402	QSW0683-001Z	PUSH SWITCH	(SURR/DSP OFF)	
	S 403	QSW0683-001Z	PUSH SWITCH	(TUNING UP)	
	S 404	QSW0683-001Z	PUSH SWITCH	(PRESET UP)	
	S 405	QSW0683-001Z	PUSH SWITCH	(FM MODE)	
	S 406	QSW0683-001Z	PUSH SWITCH	(MEMORY)	
	S 407	QSW0683-001Z	PUSH SWITCH	(INPUT MODE)	
	S 408	QSW0683-001Z	PUSH SWITCH	(DVD)	
	S 409	QSW0683-001Z	PUSH SWITCH	(DVD MULTI)	
	S 410	QSW0683-001Z	PUSH SWITCH	(TUNING DOWN)	
	S 411	QSW0683-001Z	PUSH SWITCH	(PRESET DOWN)	
	S 412	QSW0683-001Z	PUSH SWITCH	(VCR1)	
	S 413	QSW0683-001Z	PUSH SWITCH	(VCR2)	
	S 414	QSW0683-001Z	PUSH SWITCH	(VIDEO)	
	S 415	QSW0683-001Z	PUSH SWITCH	(CD)	
	S 416	QSW0683-001Z	PUSH SWITCH	(TV/DBS)	
	S 417	QSW0683-001Z	PUSH SWITCH	(CDR)	
	S 418	QSW0683-001Z	PUSH SWITCH	(USB AUDIO)	
	S 419	QSW0683-001Z	PUSH SWITCH	(PHONE)	
	S 420	QSW0683-001Z	PUSH SWITCH	(FM/AM)	
	S 421	QSW0683-001Z	PUSH SWITCH	(DIGITAL SEA)	
	S 422	QSW0683-001Z	PUSH SWITCH	(LEVEL ADJUST)	
	S 423	QSW0683-001Z	PUSH SWITCH	(TAPE/MD)	
	S 424	QSW0683-001Z	PUSH SWITCH	(DOWN)	
	S 425	QSW0683-001Z	PUSH SWITCH	(EFECT)	
	S 426	QSW0683-001Z	PUSH SWITCH	(SETTING)	
	S 431	QSW0683-001Z	PUSH SWITCH	(UP)	
	S 480	QSW0683-001Z	PUSH SWITCH	(POWER)	
	S 481	QSW0683-001Z	PUSH SWITCH	(SPK1)	
	S 482	QSW0683-001Z	PUSH SWITCH	(SPK2)	
	S 483	QSW0683-001Z	PUSH SWITCH	(SUBWFR)	
	S 490	QSW0683-001Z	PUSH SWITCH	(DIRECT)	
	S 491	QSW0683-001Z	PUSH SWITCH	(BASS)	
	X 400	QAX0246-001Z	C RESONATOR		
	X 410	QAX0320-001Z	CRYSTAL		

■ **Electrical parts list (Power board)** **Block No. 03**

⚠	Item	Parts number	Parts name	Remarks	Area
	C 701	QTE1V06-106Z	E CAPACITOR		
	C 702	QTE1V06-106Z	E CAPACITOR		
	C 703	QCS31HJ-101Z	C CAPACITOR	100PF 5% 50V	
	C 704	QCS31HJ-101Z	C CAPACITOR	100PF 5% 50V	
	C 705	QCS31HJ-101Z	C CAPACITOR	100PF 5% 50V	
	C 706	QCS31HJ-101Z	C CAPACITOR	100PF 5% 50V	
	C 707	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 708	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 709	QCS31HJ-100Z	C CAPACITOR	10PF 5% 50V	
	C 710	QCS31HJ-100Z	C CAPACITOR	10PF 5% 50V	
	C 711	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 712	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C 713	QCS31HJ-680Z	C CAPACITOR	68PF 5% 50V	
	C 714	QCS31HJ-680Z	C CAPACITOR	68PF 5% 50V	
	C 715	QCS31HJ-680Z	C CAPACITOR	68PF 5% 50V	
	C 716	QCS31HJ-680Z	C CAPACITOR	68PF 5% 50V	
	C 717	QCS32HJ-220Z	C CAPACITOR	22PF 5% 500V	
	C 718	QCS32HJ-220Z	C CAPACITOR	22PF 5% 500V	
	C 719	QFLC1HJ-472Z	M CAPACITOR	4700PF 5% 50V	
	C 720	QFLC1HJ-472Z	M CAPACITOR	4700PF 5% 50V	
	C 741	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C 742	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C 745	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C 746	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C 751	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 752	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 753	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 754	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C 791	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 792	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 793	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 794	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 795	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C 796	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	CN711	QGB2510K1-14	CONNECTOR		
	CN712	QGB2510K1-14	CONNECTOR		
	CN713	QGB2510K1-10	CONNECTOR		
	CN715	QGB2510K1-12	CONNECTOR		
	CN716	QGB2510K1-12	CONNECTOR		
	CN722	QGA2501F1-02	CONNECTOR		
	C1701	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C1702	QCS31HJ-101Z	C CAPACITOR	100PF 5% 50V	
	C1703	QCS31HJ-221Z	C CAPACITOR	UJ/E/EN	
	C1704	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C1705	QCS31HJ-5R0Z	C CAPACITOR	5.0PF 5% 50V	
	C1711	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C1712	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1713	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C1715	QETN1HM-476Z	E CAPACITOR	47MF 20% 50V	
	C1741	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1743	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1751	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1752	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1761	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1762	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1791	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C1801	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C1802	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C1803	QCS31HJ-101Z	C CAPACITOR	100PF 5% 50V	
	C1804	QCS31HJ-101Z	C CAPACITOR	100PF 5% 50V	
	C1805	QCS31HJ-221Z	C CAPACITOR	UJ/E/EN	
	C1806	QCS31HJ-221Z	C CAPACITOR	UJ/E/EN	
	C1807	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C1808	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C1809	QCS31HJ-5R0Z	C CAPACITOR	5.0PF 5% 50V	
	C1810	QCS31HJ-5R0Z	C CAPACITOR	5.0PF 5% 50V	

⚠	Item	Parts number	Parts name	Remarks	Area
	C1811	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C1812	QCS32HJ-330Z	C CAPACITOR	33PF 5% 500V	
	C1813	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1814	QFLC1HJ-103Z	M CAPACITOR	.010MF 5% 50V	
	C1815	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C1816	QETN1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C1817	QETN1HM-476Z	E CAPACITOR	47MF 20% 50V	
	C1818	QETN1HM-476Z	E CAPACITOR	47MF 20% 50V	
	C1841	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1842	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1843	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1844	QETN2AM-476Z	E CAPACITOR	47MF 20% 100V	
	C1851	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1852	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1853	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1854	QCS32HJ-470Z	C CAPACITOR	47PF 5% 500V	
	C1861	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1862	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1863	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1864	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C1891	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	C1892	QCF31HZ-223Z	C CAPACITOR	.022MF +80:-20%	
	D 701	1SS133-T2	SI DIODE		
	D 702	1SS133-T2	SI DIODE		
	D 703	1SS133-T2	SI DIODE		
	D 704	1SS133-T2	SI DIODE		
	D 771	1SS133-T2	SI DIODE		
	D 772	1SS133-T2	SI DIODE		
	D 773	1SS133-T2	SI DIODE		
	D 774	1SS133-T2	SI DIODE		
	D 791	1SS133-T2	SI DIODE		
	D 792	1SS133-T2	SI DIODE		
	D1701	1SS133-T2	SI DIODE		
	D1771	1SS133-T2	SI DIODE		
	D1772	1SS133-T2	SI DIODE		
	D1791	1SS133-T2	SI DIODE		
	D1801	1SS133-T2	SI DIODE		
	D1802	1SS133-T2	SI DIODE		
	D1871	1SS133-T2	SI DIODE		
	D1872	1SS133-T2	SI DIODE		
	D1873	1SS133-T2	SI DIODE		
	D1874	1SS133-T2	SI DIODE		
	D1891	1SS133-T2	SI DIODE		
	D1892	1SS133-T2	SI DIODE		
	L 791	QQLZ003-1R0	INDUCTOR		
	L 792	QQLZ003-1R0	INDUCTOR		
	L1761	QQLZ005-R45	INDUCTOR		
	L1861	QQLZ005-R45	INDUCTOR		
	L1862	QQLZ005-R45	INDUCTOR		
	Q 701	2SC2240-BL/AB/T	TRANSISTOR		
	Q 702	2SC2240-BL/AB/T	TRANSISTOR		
	Q 703	2SC2240-BL/AB/T	TRANSISTOR		
	Q 704	2SC2240-BL/AB/T	TRANSISTOR		
	Q 705	KTA1268/GL/-T	TRANSISTOR		
	Q 706	KTA1268/GL/-T	TRANSISTOR		
	Q 707	KTA1268/GL/-T	TRANSISTOR		
	Q 708	KTA1268/GL/-T	TRANSISTOR		
	Q 709	KTA1268/GL/-T	TRANSISTOR		
	Q 710	KTA1268/GL/-T	TRANSISTOR		
	Q 711	KTC3200/GL/-T	TRANSISTOR		
	Q 712	KTC3200/GL/-T	TRANSISTOR		
⚠	Q 761	2SD2390/OPY/-F6	TRANSISTOR	UJ/E/EN	
⚠	Q 762	2SD2390/OPY/-F6	TRANSISTOR	UJ/E/EN	
⚠	Q 763	2SB1560/OPY/-F6	TRANSISTOR	UJ/E/EN	
⚠	Q 764	2SB1560/OPY/-F6	TRANSISTOR	UJ/E/EN	
	Q 771	KTC3200/GL/-T	TRANSISTOR		

■ **Electrical parts list (Power board)** **Block No. 03**

⚠	Item	Parts number	Parts name	Remarks	Area
	Q 772	KTC3200/GL/-T	TRANSISTOR		
	Q 773	KTA1268/GL/-T	TRANSISTOR		
	Q 774	KTA1268/GL/-T	TRANSISTOR		
	Q 781	2SD637/QR/	TRANSISTOR		
	Q 782	2SD637/QR/	TRANSISTOR		
	Q 791	KTA1268/GL/-T	TRANSISTOR		
	Q 792	KTA1268/GL/-T	TRANSISTOR		
	Q1701	2SC2240-BL/AB/T	TRANSISTOR		
	Q1702	2SC2240-BL/AB/T	TRANSISTOR		
	Q1703	KTA1268/GL/-T	TRANSISTOR		
	Q1731	2SD637/QR/	TRANSISTOR		
⚠	Q1751	2SD2390/OPY/-F6	TRANSISTOR		
⚠	Q1752	2SB1560/OPY/-F6	TRANSISTOR		
	Q1771	KTC3200/GL/-T	TRANSISTOR		
	Q1772	KTA1268/GL/-T	TRANSISTOR		
	Q1791	KTA1268/GL/-T	TRANSISTOR		
	Q1801	2SC2240-BL/AB/T	TRANSISTOR		
	Q1802	2SC2240-BL/AB/T	TRANSISTOR		
	Q1803	2SC2240-BL/AB/T	TRANSISTOR		
	Q1804	2SC2240-BL/AB/T	TRANSISTOR		
	Q1805	KTA1268/GL/-T	TRANSISTOR		
	Q1806	KTA1268/GL/-T	TRANSISTOR		
	Q1831	2SD637/QR/	TRANSISTOR		
	Q1832	2SD637/QR/	TRANSISTOR		
⚠	Q1851	2SD2390/OPY/-F6	TRANSISTOR		
⚠	Q1852	2SD2390/OPY/-F6	TRANSISTOR		
⚠	Q1853	2SB1560/OPY/-F6	TRANSISTOR		
⚠	Q1854	2SB1560/OPY/-F6	TRANSISTOR		
	Q1871	KTC3200/GL/-T	TRANSISTOR		
	Q1872	KTC3200/GL/-T	TRANSISTOR		
	Q1873	KTA1268/GL/-T	TRANSISTOR		
	Q1874	KTA1268/GL/-T	TRANSISTOR		
	Q1891	KTA1268/GL/-T	TRANSISTOR		
	Q1892	KTA1268/GL/-T	TRANSISTOR		
	R 701	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 702	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R 703	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 704	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 705	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R 706	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R 707	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R 708	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R 709	QRE141J-912Y	C RESISTOR	9.1K 5% 1/4W	
	R 710	QRE141J-912Y	C RESISTOR	9.1K 5% 1/4W	
	R 711	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 712	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 715	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 716	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 717	QRJ146J-562X	UNF C RESISTOR	5.6K 5% 1/4W	
	R 718	QRJ146J-562X	UNF C RESISTOR	5.6K 5% 1/4W	
	R 719	QRK126J-103X	C RESISTOR	10K 5% 1/2W	
	R 720	QRK126J-103X	C RESISTOR	10K 5% 1/2W	
	R 721	QRJ146J-151X	UNF C RESISTOR	150 5% 1/4W	
	R 722	QRJ146J-151X	UNF C RESISTOR	150 5% 1/4W	
	R 723	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 724	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 725	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R 726	QRE141J-152Y	C RESISTOR	1.5K 5% 1/4W	
	R 727	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R 728	QRE141J-333Y	C RESISTOR	33K 5% 1/4W	
	R 729	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 730	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 731	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 732	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 733	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 734	QRE141J-221Y	C RESISTOR	220 5% 1/4W	

⚠	Item	Parts number	Parts name	Remarks	Area
	R 761	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R 762	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R 763	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R 764	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R 771	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 772	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 773	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 774	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 775	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R 776	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R 777	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R 778	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R 779	QRZ0218-R22	C RESISTOR	1/2W	
	R 780	QRZ0218-R22	C RESISTOR	1/2W	
	R 781	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 782	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R 783	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 784	QRE141J-621Y	C RESISTOR	620 5% 1/4W	
	R 787	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 788	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R 789	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 790	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R 791	QRJ125J-330	UNF OMF RESISTO	33 5% 1/2W	
	R 792	QRJ125J-330	UNF OMF RESISTO	33 5% 1/2W	
	R 793	QRL027J-100	UNF OMF RESISTO	10 5% 1/2W	
	R 794	QRL027J-100	UNF OMF RESISTO	10 5% 1/2W	
	R 795	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 796	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R 797	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 798	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R1701	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1702	QRE141J-683Y	C RESISTOR	68K 5% 1/4W	
	R1703	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R1705	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1711	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R1712	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R1721	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1722	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1723	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1724	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1725	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1731	QRE141J-911Y	C RESISTOR	910 5% 1/4W	
	R1732	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1733	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R1741	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1751	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R1752	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R1753	QRZ0218-R22	C RESISTOR	1/2W	
	R1761	QRJ125J-330	UNF OMF RESISTO	33 5% 1/2W	
	R1762	QRL027J-100	UNF OMF RESISTO	10 5% 1/2W	
	R1771	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1772	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1773	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1774	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1791	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1793	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R1795	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R1801	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1802	QRE141J-222Y	C RESISTOR	2.2K 5% 1/4W	
	R1803	QRE141J-683Y	C RESISTOR	68K 5% 1/4W	
	R1804	QRE141J-683Y	C RESISTOR	68K 5% 1/4W	
	R1805	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R1806	QRE141J-202Y	C RESISTOR	2.0K 5% 1/4W	
	R1809	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1810	QRE141J-123Y	C RESISTOR	12K 5% 1/4W	
	R1811	QRE141J-331Y	C RESISTOR	330 5% 1/4W	

■ **Electrical parts list (Power board)** **Block No. 03**

⚠	Item	Parts number	Parts name	Remarks	Area
	R1812	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R1813	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R1814	QRE141J-563Y	C RESISTOR	56K 5% 1/4W	
	R1821	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1822	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1823	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1824	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1825	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1826	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1827	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1828	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1829	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1830	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R1831	QRE141J-911Y	C RESISTOR	910 5% 1/4W	
	R1832	QRE141J-911Y	C RESISTOR	910 5% 1/4W	
	R1833	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1834	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1835	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R1836	QRE141J-271Y	C RESISTOR	270 5% 1/4W	
	R1841	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1842	QRJ146J-221X	UNF C RESISTOR	220 5% 1/4W	
	R1851	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R1852	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R1853	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R1854	QRJ146J-100X	UNF C RESISTOR	10 5% 1/4W	
	R1855	QRZ0218-R22	C RESISTOR	1/2W	
	R1856	QRZ0218-R22	C RESISTOR	1/2W	
	R1861	QRJ125J-330	UNF OMF RESISTO	33 5% 1/2W	
	R1862	QRJ125J-330	UNF OMF RESISTO	33 5% 1/2W	
	R1863	QRL027J-100	UNF OMF RESISTO	10 5% 1/2W	
	R1864	QRL027J-100	UNF OMF RESISTO	10 5% 1/2W	
	R1871	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1872	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1873	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1874	QRE141J-391Y	C RESISTOR	390 5% 1/4W	
	R1875	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1876	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1877	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1878	QRE141J-201Y	C RESISTOR	200 5% 1/4W	
	R1891	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1892	QRE141J-102Y	C RESISTOR	1.0K 5% 1/4W	
	R1893	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R1894	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R1895	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	R1896	QRE141J-473Y	C RESISTOR	47K 5% 1/4W	
	TH731	QAD0012-202	BATTERY PACK		
	TH783	QAD0012-202	BATTERY PACK		
	TH784	QAD0012-202	BATTERY PACK		
	TH831	QAD0012-202	BATTERY PACK		
	TH832	QAD0012-202	BATTERY PACK		
	VR787	QVP0008-501Z	SEMI V RESISTOR		
	VR788	QVP0008-501Z	SEMI V RESISTOR		

■ **Electrical parts list (Input board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	C 201	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 202	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 203	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 204	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 205	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 206	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 207	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 208	QETN1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 209	QCF31HZ-103Z	C CAPACITOR	.010MF +80:-20%	
	C 210	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 211	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 212	QETN1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 213	QCF31HZ-103Z	C CAPACITOR	.010MF +80:-20%	
	C 214	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 215	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 216	QDX31EM-473Z	C CAPACITOR		
	C 217	QETN1AM-477Z	E C CAPACITO	470MF 20% 10V	
	C 218	QCZ0202-155Z	ML C CAPACITOR	1.5MF	
	C 219	QDC31HJ-150Z	C CAPACITOR		
	C 220	QDC31HJ-100Z	C CAPACITOR		
	C 221	QDC31HJ-470Z	C CAPACITOR		
	C 222	QDC31HJ-270Z	C CAPACITOR		
	C 223	NCB31HK-102X	C CAPACITOR		
	C 224	NCS31HJ-271X	C CAPACITOR		
	C 225	NCS31HJ-121X	C CAPACITOR		
	C 226	NCS31HJ-470X	C CAPACITOR		
	C 231	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 241	QDX31EM-473Z	C CAPACITOR		
	C 242	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 244	QDX31EM-473Z	C CAPACITOR		
	C 245	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 246	QDX31EM-473Z	C CAPACITOR		
	C 247	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 249	QDX31EM-473Z	C CAPACITOR		
	C 250	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 251	QDX31EM-473Z	C CAPACITOR		
	C 252	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 253	NCS31HJ-100X	C CAPACITOR		
	C 254	QDX31EM-473Z	C CAPACITOR		
	C 255	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 256	QCF31HZ-103Z	C CAPACITOR	.010MF +80:-20%	
	C 257	QETN1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 258	QCF31HZ-103Z	C CAPACITOR	.010MF +80:-20%	
	C 259	QETN1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 260	QDX31EM-473Z	C CAPACITOR		
	C 261	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 268	NCS31HJ-470X	C CAPACITOR		
	C 269	NCS31HJ-470X	C CAPACITOR		
	C 270	NCS31HJ-101X	C CAPACITOR		
	C 271	NCS31HJ-101X	C CAPACITOR		
	C 272	QDX31EM-473Z	C CAPACITOR		
	C 273	QDX31EM-473Z	C CAPACITOR		
	C 274	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 275	NCS31HJ-470X	C CAPACITOR		
	C 276	NCS31HJ-470X	C CAPACITOR		
	C 277	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 280	NCS31HJ-470X	C CAPACITOR		
	C 281	NCS31HJ-470X	C CAPACITOR		
	C 282	NCS31HJ-470X	C CAPACITOR		
	C 283	NCS31HJ-470X	C CAPACITOR		
	C 284	NCS31HJ-470X	C CAPACITOR		
	C 285	NCS31HJ-470X	C CAPACITOR		
	C 286	NCS31HJ-470X	C CAPACITOR		
	C 287	NCS31HJ-470X	C CAPACITOR		
	C 301	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 302	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	

⚠	Item	Parts number	Parts name	Remarks	Area
	C 303	NCS31HJ-101X	C CAPACITOR		
	C 304	NCS31HJ-101X	C CAPACITOR		
	C 305	QFLC1HJ-182Z	M CAPACITOR	1800PF 5% 50V	
	C 306	QFLC1HJ-182Z	M CAPACITOR	1800PF 5% 50V	
	C 307	QFLC1HJ-682Z	M CAPACITOR	6800PF 5% 50V	
	C 308	QFLC1HJ-682Z	M CAPACITOR	6800PF 5% 50V	
	C 309	NCS31HJ-101X	C CAPACITOR		
	C 310	NCS31HJ-101X	C CAPACITOR		
	C 311	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 312	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 313	QETN1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 314	QETN1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 315	QETN1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 316	QETN1CM-476Z	E CAPACITOR	47MF 20% 16V	
	C 321	NCB31HK-221X	C CAPACITOR		
	C 322	NCB31HK-221X	C CAPACITOR		
	C 323	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 324	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 325	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 326	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 327	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 328	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 329	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 330	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 331	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 332	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 333	NCB31HK-561X	C CAPACITOR		
	C 334	NCB31HK-561X	C CAPACITOR		
	C 335	QETN1EM-226Z	E CAPACITOR	22MF 20% 25V	
	C 336	QETN1EM-226Z	E CAPACITOR	22MF 20% 25V	
	C 339	NCB31HK-561X	C CAPACITOR		
	C 341	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 342	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 343	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 344	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 361	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 362	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 363	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 364	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C 371	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 372	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 373	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 374	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 375	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 376	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 377	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 378	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 379	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 380	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 381	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 382	NCB31HK-221X	C CAPACITOR	EXCEPT J/C	
	C 385	QETN1EM-226Z	E CAPACITOR	22MF 20% 25V	
	C 386	QETN1EM-226Z	E CAPACITOR	22MF 20% 25V	
	C 389	NCB31HK-561X	C CAPACITOR		
	C 391	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 392	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 393	NCB31HK-122X	C CAPACITOR		
	C 394	NCB31HK-122X	C CAPACITOR		
	C 395	NCS31HJ-121X	C CAPACITOR		
	C 396	NCS31HJ-121X	C CAPACITOR		
	C 397	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C 398	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	CN200	QGB2510K1-11	CONNECTOR		
	CN204	QGB1214K1-08S	CONNECTOR		
	CN205	QGB1214J1-08S	CONNECTOR		
	CN206	QGA2501F1-02	CONNECTOR		

■ **Electrical parts list (Input board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	CN240	QGB2510K1-12	CONNECTOR		
	CN242	QGB1214K1-10S	CONNECTOR		
	CN243	QGB1214J1-10S	CONNECTOR		
	CN244	QGA2501F1-04	CONNECTOR		
	CN311	QGB2510K1-11	CONNECTOR		
	CN313	QGB2510K1-12	CONNECTOR		
	CN351	QGB1214K1-14S	CONNECTOR		
	CN361	QGB1214J1-14S	CONNECTOR		
	CN371	QGB1214K1-12S	01F		
	CN381	QGB1214J1-12S	CONNECTOR		
	CN393	QGA2501F1-03	CONNECTOR		
	CN416	QGA2501F1-06	CONNECTOR		
	CN501	QGB1214J1-14S	CONNECTOR		
	CN731	QJP001-032301	SHI CR C-B WIRE		
	CN732	WJP0038-001A	CONNECTOR		
	C1301	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1302	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1303	NCB31HK-221X	C CAPACITOR		
	C1309	QENC1HM-106Z	NP E CAPACITOR	10MF 20% 50V	
	C1310	QETN1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1311	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1312	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1313	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1314	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1315	QER61HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C1316	QER61HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C1319	NCB31HK-221X	C CAPACITOR		
	C1321	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1322	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1323	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1324	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1325	QER61HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C1326	QER61HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C1329	NCB31HK-221X	C CAPACITOR		
	C1331	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1332	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1333	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1334	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1339	NCB31HK-221X	C CAPACITOR		
	C1341	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1342	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1343	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1344	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1349	NCB31HK-221X	C CAPACITOR		
	C1350	NCB31HK-221X	C CAPACITOR		
	C1351	NCB31HK-221X	C CAPACITOR		
	C1352	NCB31HK-221X	C CAPACITOR		
	C1360	NCB31EK-223X	C CAPACITOR		
	C1361	NCS31HJ-391X	C CAPACITOR	J/C/UJ	
	C1362	NCS31HJ-391X	C CAPACITOR	J/C/UJ	
	C1363	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1364	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1365	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1366	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1370	QETN1EM-476Z	E CAPACITOR	EXCEPT E/EN	
	C1371	QETN1EM-476Z	E CAPACITOR	EXCEPT E/EN	
	C1372	NCB31HK-103X	C CAPACITOR	EXCEPT E/EN	
	C1373	QETN1EM-476Z	E CAPACITOR	EXCEPT E/EN	
	C1374	NCB31HK-103X	C CAPACITOR	EXCEPT E/EN	
	C1375	QETN1EM-226Z	E CAPACITOR	EXCEPT E/EN	
	C1376	QETN1CM-226Z	E CAPACITOR	EXCEPT E/EN	
	C1377	QETN1EM-226Z	E CAPACITOR	EXCEPT E/EN	
	C1379	QETN1EM-226Z	E CAPACITOR	EXCEPT E/EN	
	C1381	NCS31HJ-470X	C CAPACITOR	EXCEPT E/EN	
	C1382	NCS31HJ-470X	C CAPACITOR	EXCEPT E/EN	
	C1383	NCS31HJ-470X	C CAPACITOR	EXCEPT E/EN	

⚠	Item	Parts number	Parts name	Remarks	Area
	C1384	QETN1EM-476Z	E CAPACITOR	EXCEPT E/EN	
	C1385	QETN1HM-475Z	E CAPACITOR	EXCEPT E/EN	
	C1386	QETN1HM-475Z	E CAPACITOR	EXCEPT E/EN	
	C1387	NCS31HJ-470X	C CAPACITOR	EXCEPT E/EN	
	C1388	NCS31HJ-470X	C CAPACITOR	EXCEPT E/EN	
	C1389	NCS31HJ-470X	C CAPACITOR	EXCEPT E/EN	
	C1390	QETN1EM-476Z	E CAPACITOR	EXCEPT E/EN	
	C1391	QETN1HM-475Z	E CAPACITOR	EXCEPT E/EN	
	C1392	QETN1HM-475Z	E CAPACITOR	EXCEPT E/EN	
	C1393	NCS31HJ-101X	C CAPACITOR	EXCEPT E/EN	
	C1394	NCS31HJ-101X	C CAPACITOR	EXCEPT E/EN	
	C1395	NCS31HJ-101X	C CAPACITOR	EXCEPT E/EN	
	C1396	QETN0JM-477Z	E CAPACITOR	EXCEPT E/EN	
	C1397	QETN1AM-107Z	E CAPACITOR	EXCEPT E/EN	
	C1398	QETN1AM-107Z	E CAPACITOR	EXCEPT E/EN	
	C1411	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1412	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1413	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1414	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1428	QETN1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1431	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1432	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1433	QETN1HM-475Z	E CAPACITOR	4.7MF 20% 50V	
	C1434	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1439	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1440	QETN1EM-476Z	E CAPACITOR	47MF 20% 25V	
	C1448	QETN1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1451	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1452	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1453	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1454	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1468	QETN1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1471	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1472	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1473	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1474	QETN1HM-106Z	E CAPACITOR	10MF 20% 50V	
	C1486	QETN1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1487	QETN1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C1491	NCB31HK-331X	C CAPACITOR		
	C1492	NCB31HK-331X	C CAPACITOR		
	C1493	NCB31HK-331X	C CAPACITOR		
	C1494	NCB31HK-331X	C CAPACITOR		
	C1495	NCB31HK-331X	C CAPACITOR		
	C1496	NCB31HK-331X	C CAPACITOR		
	C1497	NCB31HK-331X	C CAPACITOR		
	C1498	NCB31HK-331X	C CAPACITOR		
	D 200	1SS355-X	DIODE		
	D 201	1SS355-X	DIODE		
	D 240	1SS355-X	DIODE		
	D 241	1SS355-X	DIODE		
	D1350	MA3062/H/-X	ZENER DIODE	EXCEPT E/EN	
	D1428	1SS355-X	DIODE		
	D1429	1SS355-X	DIODE		
	D1448	1SS355-X	DIODE		
	D1449	1SS355-X	DIODE		
	D1468	1SS355-X	DIODE		
	D1469	1SS355-X	DIODE		
	D1486	1SS355-X	DIODE		
	D1487	1SS355-X	DIODE		
	D1488	1SS355-X	DIODE		
	D1489	1SS355-X	DIODE		
	HL203	VYH7653-005	IC HOLDER		
	IC201	BA7625	IC		
	IC202	NJM2285V-W	IC		
	IC203	MB90088PF-131	IC		
	IC241	BA7626	IC		

■ **Electrical parts list (Input board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	IC242	BA7625	IC		
	IC301	NJM4580D-D	IC		
	IC302	TC9164AF-X	IC		
	IC303	BA15218F-XE	IC		
	IC304	BA15218F-XE	IC		
	IC371	TC9163AF-X	IC		
	IC372	BA15218F-XE	IC		
	IC380	TC9162AF-X	IC		
	IC381	TC9459F-X	IC		
	IC382	TC9459F-X	IC		
	IC383	TC9459F-X	IC		
	IC384	TC9459F-X	IC		
	IC386	BA15218F-XE	IC		
	IC388	TC74HC4053AF-X	I.C	EXCEPT E/EN	
	IC389	TC74HC4053AF-X	I.C	EXCEPT E/EN	
	IC390	NJM2580M-X	I.C	EXCEPT E/EN	
	IC396	BA15218F-XE	IC		
	IC397	BA15218F-XE	IC		
	IC398	BA15218F-XE	IC		
	IC399	BA15218F-XE	IC		
	J 201	QNN0078-001	PIN JACK		
	J 202	QNN0011-001	PIN JACK		
	J 203	QNN0011-001	PIN JACK		
	J 241	QND0097-001	S-CONNECTOR		
	J 242	QND0098-001	DIN CONNECTOR		
	J 243	QND0099-001	S JACK		
	J 301	QNN0056-001	PIN JACK		
	J 302	QNN0056-001	PIN JACK		
	J 303	QNN0058-001	PIN JACK		
	J 371	QNN0056-001	PIN JACK		
	J 372	QNN0056-001	PIN JACK		
	J 373	QNN0056-001	PIN JACK		
	J1350	QNS0089-001	3.5 JACK		
	J1351	QNS0077-001	3.5 JACK		
	J1352	QNS0089-001	3.5 JACK	EXCEPT E/EN	
	J1360	QNN0483-001	PIN JACK		
	J1380	QNN0391-001	PIN JACK	EXCEPT E/EN	
	J1490	QNN0484-001	PIN JACK		
	J1491	QNN0485-001	PIN JACK		
	L 200	NQL085J-220X	INDUCTOR		
	Q 200	KTA1267/YG/-T	TRANSISTOR		
	Q 201	KTA1267/YG/-T	TRANSISTOR		
	Q 202	KRC110M-T	TRANSISTOR		
	Q 203	KRC107M-T	D.TRANSISTOR		
	Q 204	KTA1267/YG/-T	TRANSISTOR		
	Q 205	KTA1267/YG/-T	TRANSISTOR		
	Q 206	KTA1267/YG/-T	TRANSISTOR		
	Q 207	KTA1267/YG/-T	TRANSISTOR		
	Q 208	DTC123YSA-T	D.TRANSISTOR		
	Q 240	KTA1267/YG/-T	TRANSISTOR		
	Q 241	KTA1267/YG/-T	TRANSISTOR		
	Q 242	KTA1267/YG/-T	TRANSISTOR		
	Q 243	KTA1267/YG/-T	TRANSISTOR		
	Q 244	KRC110M-T	TRANSISTOR		
	Q 245	KRC110M-T	TRANSISTOR		
	Q 246	KRC107M-T	D.TRANSISTOR		
	Q 247	KRC107M-T	D.TRANSISTOR		
	Q1310	KRA104S-X	DIGITAL.TR		
	Q1313	2SC3576-JVC-T	TRANSISTOR		
	Q1314	2SC3576-JVC-T	TRANSISTOR		
	Q1324	2SC3576-JVC-T	TRANSISTOR		
	Q1333	2SC3576-JVC-T	TRANSISTOR		
	Q1334	2SC3576-JVC-T	TRANSISTOR		
	Q1421	2SC3576-JVC-T	TRANSISTOR		
	Q1422	2SC3576-JVC-T	TRANSISTOR		
	Q1428	KRC107S-X	DIGITAL.TR		

⚠	Item	Parts number	Parts name	Remarks	Area
	Q1429	KRA104S-X	DIGITAL.TR		
	Q1441	2SC3576-JVC-T	TRANSISTOR		
	Q1442	2SC3576-JVC-T	TRANSISTOR		
	Q1445	2SC3576-JVC-T	TRANSISTOR		
	Q1447	KRA104S-X	DIGITAL.TR		
	Q1448	KRC107S-X	DIGITAL.TR		
	Q1449	KRA104S-X	DIGITAL.TR		
	Q1461	2SC3576-JVC-T	TRANSISTOR		
	Q1462	2SC3576-JVC-T	TRANSISTOR		
	Q1468	KRC107S-X	DIGITAL.TR		
	Q1469	KRA104S-X	DIGITAL.TR		
	Q1481	2SC3576-JVC-T	TRANSISTOR		
	Q1482	2SC3576-JVC-T	TRANSISTOR		
	Q1486	KRA104S-X	DIGITAL.TR		
	Q1487	KRA104S-X	DIGITAL.TR		
	R 200	NRSA63J-750X	MG RESISTOR		
	R 201	NRSA63J-750X	MG RESISTOR		
	R 202	NRSA63J-750X	MG RESISTOR		
	R 203	NRSA63J-750X	MG RESISTOR		
	R 204	NRSA63J-750X	MG RESISTOR		
	R 205	NRSA63J-750X	MG RESISTOR		
	R 206	NRSA63J-750X	MG RESISTOR		
	R 207	NRSA63J-331X	MG RESISTOR		
	R 208	NRSA63J-331X	MG RESISTOR		
	R 209	NRSA63J-473X	MG RESISTOR		
	R 210	NRSA63J-331X	MG RESISTOR		
	R 211	NRSA63J-473X	MG RESISTOR		
	R 212	NRSA63J-331X	MG RESISTOR		
	R 213	NRSA63J-473X	MG RESISTOR		
	R 214	NRSA63J-151X	MG RESISTOR		
	R 215	NRSA63J-151X	MG RESISTOR		
	R 216	NRSA63J-301X	MG RESISTOR		
	R 217	NRSA63J-103X	MG RESISTOR		
	R 218	NRSA63J-331X	MG RESISTOR		
	R 219	NRSA63J-101X	MG RESISTOR		
	R 220	NRSA63J-151X	MG RESISTOR		
	R 221	NRSA63J-181X	MG RESISTOR		
	R 222	NRSA63J-561X	MG RESISTOR		
	R 223	NRSA63J-561X	MG RESISTOR		
	R 224	NRSA63J-561X	MG RESISTOR		
⚠	R 225	QRJ146J-2R2X	UNF C RESISTOR	2.2 5% 1/4W	
	R 231	NRSA63J-222X	MG RESISTOR		
	R 232	NRSA63J-470X	MG RESISTOR		
	R 240	NRSA63J-750X	MG RESISTOR		
	R 241	NRSA63J-750X	MG RESISTOR		
	R 242	NRSA63J-750X	MG RESISTOR		
	R 243	NRSA63J-750X	MG RESISTOR		
	R 244	NRSA63J-750X	MG RESISTOR		
	R 245	NRSA63J-750X	MG RESISTOR		
	R 246	NRSA63J-750X	MG RESISTOR		
	R 247	NRSA63J-750X	MG RESISTOR		
	R 248	NRSA63J-181X	MG RESISTOR		
	R 249	NRSA63J-151X	MG RESISTOR		
	R 250	NRSA63J-181X	MG RESISTOR		
	R 251	NRSA63J-151X	MG RESISTOR		
	R 253	NRSA63J-153X	MG RESISTOR		
	R 254	NRSA63J-153X	MG RESISTOR		
	R 255	NRSA63J-153X	MG RESISTOR		
	R 266	NRSA63J-750X	MG RESISTOR		
	R 267	NRSA63J-473X	MG RESISTOR		
	R 268	NRSA63J-750X	MG RESISTOR		
	R 269	NRSA63J-473X	MG RESISTOR		
⚠	R 271	QRJ146J-3R3X	UNF C RESISTOR	3.3 5% 1/4W	
	R 272	NRSA63J-750X	MG RESISTOR		
	R 273	NRSA63J-473X	MG RESISTOR		
	R 274	NRSA63J-750X	MG RESISTOR		

■ **Electrical parts list (Input board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	R 275	NRSA63J-750X	MG RESISTOR		
	R 276	NRSA63J-750X	MG RESISTOR		
	R 280	NRSA63J-301X	MG RESISTOR		
	R 281	NRSA63J-301X	MG RESISTOR		
	R 282	NRSA63J-103X	MG RESISTOR		
	R 283	NRSA63J-103X	MG RESISTOR		
	R 284	NRSA63J-301X	MG RESISTOR		
	R 285	NRSA63J-301X	MG RESISTOR		
	R 301	NRSA63J-222X	MG RESISTOR		
	R 302	NRSA63J-222X	MG RESISTOR		
	R 303	NRSA63J-473X	MG RESISTOR		
	R 304	NRSA63J-473X	MG RESISTOR		
	R 305	NRSA63J-621X	MG RESISTOR		
	R 306	NRSA63J-621X	MG RESISTOR		
	R 307	NRSA63J-393X	MG RESISTOR		
	R 308	NRSA63J-393X	MG RESISTOR		
	R 309	NRSA63J-474X	MG RESISTOR		
	R 310	NRSA63J-474X	MG RESISTOR		
	R 311	NRSA63J-104X	MG RESISTOR		
	R 312	NRSA63J-104X	MG RESISTOR		
⚠	R 315	QRJ146J-331X	UNF C RESISTOR	330 5% 1/4W	
⚠	R 316	QRJ146J-331X	UNF C RESISTOR	330 5% 1/4W	
	R 323	NRSA63J-471X	MG RESISTOR		
	R 324	NRSA63J-471X	MG RESISTOR		
	R 325	NRSA63J-471X	MG RESISTOR		
	R 326	NRSA63J-471X	MG RESISTOR		
	R 327	NRSA63J-471X	MG RESISTOR		
	R 328	NRSA63J-471X	MG RESISTOR		
	R 329	NRSA63J-471X	MG RESISTOR		
	R 330	NRSA63J-471X	MG RESISTOR		
	R 331	NRSA63J-471X	MG RESISTOR		
	R 332	NRSA63J-471X	MG RESISTOR		
	R 333	NRSA63J-471X	MG RESISTOR		
	R 334	NRSA63J-471X	MG RESISTOR		
⚠	R 335	QRZ9005-680X	F RESISTOR	68 1/4W	
⚠	R 336	QRZ9005-680X	F RESISTOR	68 1/4W	
	R 341	NRSA63J-104X	MG RESISTOR		
	R 342	NRSA63J-104X	MG RESISTOR		
	R 343	NRSA63J-104X	MG RESISTOR		
	R 344	NRSA63J-104X	MG RESISTOR		
	R 345	NRSA63J-104X	MG RESISTOR		
	R 346	NRSA63J-104X	MG RESISTOR		
	R 361	NRSA63J-104X	MG RESISTOR		
	R 362	NRSA63J-104X	MG RESISTOR		
	R 363	NRSA63J-104X	MG RESISTOR		
	R 364	NRSA63J-104X	MG RESISTOR		
	R 365	NRSA63J-104X	MG RESISTOR		
	R 366	NRSA63J-104X	MG RESISTOR		
	R 371	NRSA63J-471X	MG RESISTOR		
	R 372	NRSA63J-471X	MG RESISTOR		
	R 373	NRSA63J-471X	MG RESISTOR		
	R 374	NRSA63J-471X	MG RESISTOR		
	R 375	NRSA63J-471X	MG RESISTOR		
	R 376	NRSA63J-471X	MG RESISTOR		
	R 377	NRSA63J-471X	MG RESISTOR		
	R 378	NRSA63J-471X	MG RESISTOR		
	R 379	NRSA63J-471X	MG RESISTOR		
	R 380	NRSA63J-471X	MG RESISTOR		
	R 381	NRSA63J-471X	MG RESISTOR		
	R 382	NRSA63J-471X	MG RESISTOR		
⚠	R 385	QRZ9005-680X	F RESISTOR	68 1/4W	
⚠	R 386	QRZ9005-680X	F RESISTOR	68 1/4W	
	R 387	NRSA63J-471X	MG RESISTOR		
	R 388	NRSA63J-471X	MG RESISTOR		
	R 389	NRSA63J-471X	MG RESISTOR		
	R 390	NRSA63J-471X	MG RESISTOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	R 391	NRSA63J-512X	MG RESISTOR		
	R 392	NRSA63J-512X	MG RESISTOR		
	R 393	NRSA63J-103X	MG RESISTOR		
	R 394	NRSA63J-103X	MG RESISTOR		
	R 395	NRSA63J-512X	MG RESISTOR		
	R 396	NRSA63J-512X	MG RESISTOR		
	R 397	NRSA63J-104X	MG RESISTOR		
	R 398	NRSA63J-104X	MG RESISTOR		
⚠	R1301	QRZ9005-680X	F RESISTOR	68 1/4W	
⚠	R1302	QRZ9005-680X	F RESISTOR	68 1/4W	
	R1303	NRSA63J-122X	MG RESISTOR		
	R1304	NRSA63J-122X	MG RESISTOR		
	R1305	NRSA63J-222X	MG RESISTOR		
	R1306	NRSA63J-222X	MG RESISTOR		
	R1307	NRSA63J-272X	MG RESISTOR		
	R1308	NRSA63J-272X	MG RESISTOR		
	R1309	NRSA63J-474X	MG RESISTOR		
	R1310	NRSA63J-102X	MG RESISTOR		
	R1311	NRSA63J-104X	MG RESISTOR		
	R1312	NRSA63J-104X	MG RESISTOR		
	R1313	NRSA63J-102X	MG RESISTOR		
	R1314	NRSA63J-102X	MG RESISTOR		
	R1315	NRSA63J-103X	MG RESISTOR		
	R1316	NRSA63J-103X	MG RESISTOR		
	R1321	NRSA63J-104X	MG RESISTOR		
	R1322	NRSA63J-104X	MG RESISTOR		
	R1324	NRSA63J-102X	MG RESISTOR		
	R1326	NRSA63J-103X	MG RESISTOR		
	R1331	NRSA63J-104X	MG RESISTOR		
	R1332	NRSA63J-104X	MG RESISTOR		
	R1333	NRSA63J-102X	MG RESISTOR		
	R1334	NRSA63J-102X	MG RESISTOR		
	R1335	NRSA63J-103X	MG RESISTOR		
	R1336	NRSA63J-103X	MG RESISTOR		
	R1341	NRSA63J-104X	MG RESISTOR		
	R1342	NRSA63J-104X	MG RESISTOR		
	R1350	NRSA63J-471X	MG RESISTOR		
	R1351	NRSA63J-221X	MG RESISTOR		
	R1352	NRSA63J-101X	MG RESISTOR		
	R1353	NRSA63J-221X	MG RESISTOR		
	R1354	NRSA63J-221X	MG RESISTOR		
	R1355	NRSA63J-221X	MG RESISTOR	EXCEPT E/EN	
	R1361	NRSA63J-561X	MG RESISTOR		
	R1362	NRSA63J-561X	MG RESISTOR		
	R1363	NRSA63J-104X	MG RESISTOR		
	R1364	NRSA63J-104X	MG RESISTOR		
	R1365	NRSA63J-104X	MG RESISTOR		
	R1366	NRSA63J-104X	MG RESISTOR		
	R1367	NRSA63J-104X	MG RESISTOR		
	R1368	NRSA63J-104X	MG RESISTOR		
	R1371	NRSA63J-102X	MG RESISTOR	EXCEPT E/EN	
	R1372	NRSA63J-102X	MG RESISTOR	EXCEPT E/EN	
	R1373	NRSA63J-105X	MG RESISTOR	EXCEPT E/EN	
	R1385	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1386	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1387	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1388	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1389	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1390	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1391	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1392	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1393	NRSA63J-750X	MG RESISTOR	EXCEPT E/EN	
	R1394	NRSA63J-473X	MG RESISTOR	EXCEPT E/EN	
	R1395	NRSA63J-473X	MG RESISTOR	EXCEPT E/EN	
	R1396	NRSA63J-473X	MG RESISTOR	EXCEPT E/EN	
	R1411	NRSA63J-104X	MG RESISTOR		

■ **Electrical parts list (Input board)** **Block No. 04**

⚠	Item	Parts number	Parts name	Remarks	Area
	R1412	NRSA63J-104X	MG RESISTOR		
	R1413	NRSA63J-122X	MG RESISTOR		
	R1414	NRSA63J-122X	MG RESISTOR		
	R1415	NRSA63J-512X	MG RESISTOR		
	R1416	NRSA63J-512X	MG RESISTOR		
	R1417	NRSA63J-104X	MG RESISTOR		
	R1418	NRSA63J-104X	MG RESISTOR		
	R1421	NRSA63J-102X	MG RESISTOR		
	R1422	NRSA63J-102X	MG RESISTOR		
	R1423	NRSA63J-103X	MG RESISTOR		
	R1424	NRSA63J-103X	MG RESISTOR		
	R1428	NRSA63J-102X	MG RESISTOR		
	R1429	NRSA63J-474X	MG RESISTOR		
	R1431	NRSA63J-104X	MG RESISTOR		
	R1432	NRSA63J-104X	MG RESISTOR		
	R1433	NRSA63J-122X	MG RESISTOR		
	R1434	NRSA63J-122X	MG RESISTOR		
	R1435	NRSA63J-912X	MG RESISTOR		
	R1436	NRSA63J-512X	MG RESISTOR		
	R1437	NRSA63J-104X	MG RESISTOR		
	R1438	NRSA63J-104X	MG RESISTOR		
⚠	R1439	QRZ9005-680X	F RESISTOR	68 1/4W	
⚠	R1440	QRZ9005-680X	F RESISTOR	68 1/4W	
	R1441	NRSA63J-471X	MG RESISTOR		
	R1442	NRSA63J-102X	MG RESISTOR		
	R1443	NRSA63J-103X	MG RESISTOR		
	R1444	NRSA63J-103X	MG RESISTOR		
	R1445	NRSA63J-471X	MG RESISTOR		
	R1446	NRSA63J-103X	MG RESISTOR		
	R1447	NRSA63J-474X	MG RESISTOR		
	R1448	NRSA63J-102X	MG RESISTOR		
	R1449	NRSA63J-474X	MG RESISTOR		
	R1451	NRSA63J-104X	MG RESISTOR		
	R1452	NRSA63J-104X	MG RESISTOR		
	R1453	NRSA63J-122X	MG RESISTOR		
	R1454	NRSA63J-122X	MG RESISTOR		
	R1455	NRSA63J-512X	MG RESISTOR		
	R1456	NRSA63J-512X	MG RESISTOR		
	R1457	NRSA63J-104X	MG RESISTOR		
	R1458	NRSA63J-104X	MG RESISTOR		
	R1461	NRSA63J-102X	MG RESISTOR		
	R1462	NRSA63J-102X	MG RESISTOR		
	R1463	NRSA63J-103X	MG RESISTOR		
	R1464	NRSA63J-103X	MG RESISTOR		
	R1468	NRSA63J-102X	MG RESISTOR		
	R1469	NRSA63J-474X	MG RESISTOR		
	R1471	NRSA63J-104X	MG RESISTOR		
	R1472	NRSA63J-104X	MG RESISTOR		
	R1473	NRSA63J-122X	MG RESISTOR		
	R1474	NRSA63J-122X	MG RESISTOR		
	R1475	NRSA63J-512X	MG RESISTOR		
	R1476	NRSA63J-512X	MG RESISTOR		
	R1477	NRSA63J-104X	MG RESISTOR		
	R1478	NRSA63J-104X	MG RESISTOR		
	R1481	NRSA63J-102X	MG RESISTOR		
	R1482	NRSA63J-102X	MG RESISTOR		
	R1483	NRSA63J-103X	MG RESISTOR		
	R1484	NRSA63J-103X	MG RESISTOR		
	R1486	NRSA63J-102X	MG RESISTOR		
	R1487	NRSA63J-102X	MG RESISTOR		
	R1488	NRSA63J-474X	MG RESISTOR		
	R1489	NRSA63J-474X	MG RESISTOR		
	R1491	NRSA63J-0R0X	MG RESISTOR		
	R1492	NRSA63J-0R0X	MG RESISTOR		
	R1493	NRSA63J-0R0X	MG RESISTOR		
	X 200	QAX0261-001Z	CRYSTAL	PAL	

■ **Electrical parts list (DSP board)** **Block No. 05**

⚠	Item	Parts number	Parts name	Remarks	Area
	C 571	NCB31HK-103X	C CAPACITOR		
	C 572	NEA70GM-107X	E CAPACITOR		
	C 573	NCF31CZ-104X	C CAPACITOR		
	C 577	NCS31HJ-101X	C CAPACITOR		
	C 579	NCS31HJ-101X	C CAPACITOR		
	C 581	NEA71CM-106X	E.CAPACITOR		
	C 582	NEA71CM-106X	E.CAPACITOR		
	C 583	NEA70JM-476X	E.CAPACITOR		
	C 584	NCF31AZ-105X	C CAPACITOR		
	C 587	NCF31CZ-104X	C CAPACITOR		
	C 588	NEA70JM-227X	E CAPACITOR		
	C 589	NCF31CZ-104X	C CAPACITOR		
	C 590	NEA70GM-107X	E CAPACITOR		
	CN581	QGB1214K1-14S	CONNECTOR		
	CN587	QGB2510K1-07	CONNECTOR		
	C2001	NCB31HK-182X	C CAPACITOR		
	C2002	NCB31HK-182X	C CAPACITOR		
	C2003	NCB31HK-682X	C CAPACITOR		
	C2004	NCB31HK-682X	C CAPACITOR		
	C2005	NCF31CZ-104X	C CAPACITOR		
	C2006	NCF31CZ-104X	C CAPACITOR		
	C2007	NCB31HK-272X	C CAPACITOR		
	C2008	NCB31HK-272X	C CAPACITOR		
	C2009	NEA71EM-475X	E.CAPACITOR.		
	C2010	NEA71EM-475X	E.CAPACITOR.		
	C2011	NEA71EM-475X	E.CAPACITOR.		
	C2012	NEA71EM-475X	E.CAPACITOR.		
	C2101	NCB31HK-102X	C CAPACITOR		
	C2107	NEA71EM-475X	E.CAPACITOR.		
	C2127	NCF31CZ-104X	C CAPACITOR		
	C2128	NCF31CZ-104X	C CAPACITOR		
	C2130	NEA71HM-475X	E.CAPACITOR.		
	C2131	NCB31CK-823X	C CAPACITOR		
	C2132	NFV41HJ-333X	C CAPACITOR		
	C2152	NCF31CZ-104X	C CAPACITOR		
	C2153	NCF31CZ-104X	C CAPACITOR		
	C2154	NCB31CK-823X	C CAPACITOR		
	C2155	NFV41HJ-333X	C CAPACITOR		
	C2181	NCS31HJ-330X	C CAPACITOR		
	C2182	NEA71EM-475X	E.CAPACITOR.		
	C2201	NCB31HK-272X	C CAPACITOR		
	C2202	NCB31HK-272X	C CAPACITOR		
	C2207	NEA71HM-475X	E.CAPACITOR.		
	C2208	NEA71HM-475X	E.CAPACITOR.		
	C2211	NCB31HK-102X	C CAPACITOR		
	C2212	NCB31HK-102X	C CAPACITOR		
	C2213	NCF31CZ-104X	C CAPACITOR		
	C2214	NCF31CZ-104X	C CAPACITOR		
	C2215	NCB31HK-103X	C CAPACITOR		
	C2216	NCB31HK-103X	C CAPACITOR		
	C2230	NEA71HM-475X	E.CAPACITOR.		
	C2237	NCS31HJ-330X	C CAPACITOR		
	C2238	NCS31HJ-330X	C CAPACITOR		
	C2251	NCF31CZ-104X	C CAPACITOR		
	C2252	NCF31CZ-104X	C CAPACITOR		
	C2255	NCF31CZ-104X	C CAPACITOR		
	C2256	NCF31CZ-104X	C CAPACITOR		
	C2261	NEA71EM-475X	E.CAPACITOR.		
	C2262	NEA71EM-475X	E.CAPACITOR.		
	C2281	NEA71EM-475X	E.CAPACITOR.		
	C2282	NEA71EM-475X	E.CAPACITOR.		
	C2283	NCS31HJ-330X	C CAPACITOR		
	C2284	NCS31HJ-330X	C CAPACITOR		
	C2285	NCS31HJ-471X	C CAPACITOR		
	C2286	NCS31HJ-471X	C CAPACITOR		
	C2287	NCF31CZ-104X	C CAPACITOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	C2288	NCF31CZ-104X	C CAPACITOR		
	C2289	NCS31HJ-471X	C CAPACITOR		
	C2290	NCS31HJ-471X	C CAPACITOR		
	C2291	NCB31HK-332X	C CAPACITOR		
	C2292	NCB31HK-332X	C CAPACITOR		
	C2301	NCB31HK-102X	C CAPACITOR		
	C2302	NCB31HK-102X	C CAPACITOR		
	C2307	NEA71HM-225X	E.CAPACITOR.		
	C2308	NEA71HM-225X	E.CAPACITOR.		
	C2351	NEA71HM-105X	E.CAPACITOR.		
	C2352	NEA71HM-105X	E.CAPACITOR.		
	C2353	NCS31HJ-330X	C CAPACITOR		
	C2354	NCS31HJ-330X	C CAPACITOR		
	C2355	NCF31CZ-104X	C CAPACITOR		
	C2356	NCF31CZ-104X	C CAPACITOR		
	C2357	NEA71HM-225X	E.CAPACITOR.		
	C2358	NEA71HM-225X	E.CAPACITOR.		
	C2359	NCS31HJ-821X	C CAPACITOR		
	C2360	NCS31HJ-821X	C CAPACITOR		
	C2401	NCB31HK-102X	C CAPACITOR		
	C2407	NEA71HM-225X	E.CAPACITOR.		
	C2431	NCF31CZ-104X	C CAPACITOR		
	C2432	NCF31CZ-104X	C CAPACITOR		
	C2433	NCS31HJ-330X	C CAPACITOR		
	C2434	NEA71HM-225X	E.CAPACITOR.		
	C2435	NCS31HJ-821X	C CAPACITOR		
	C2481	NEA70JM-476X	E.CAPACITOR		
	C2501	NCB31HK-123X	C CAPACITOR		
	C2502	NCB31HK-103X	C CAPACITOR		
	C2503	NCB31HK-103X	C CAPACITOR		
	C2504	NCB31HK-103X	C CAPACITOR		
	C2505	NCB31HK-103X	C CAPACITOR		
	C2506	NCB31HK-103X	C CAPACITOR		
	C2507	NCB31HK-103X	C CAPACITOR		
	C2508	NCB31HK-103X	C CAPACITOR		
	C2509	NCB31HK-103X	C CAPACITOR		
	C2510	NCB31HK-103X	C CAPACITOR		
	C2511	NCB31HK-103X	C CAPACITOR		
	C2512	NCB31HK-103X	C CAPACITOR		
	C2513	NCB31HK-103X	C CAPACITOR		
	C2514	NCB31HK-103X	C CAPACITOR		
	C2515	NCB31HK-103X	C CAPACITOR		
	C2516	NCB31HK-103X	C CAPACITOR		
	C2517	NCB31HK-103X	C CAPACITOR		
	C2518	NCB31HK-103X	C CAPACITOR		
	C2519	NCB31HK-103X	C CAPACITOR		
	C2520	NCB31HK-103X	C CAPACITOR		
	C2521	NCB31HK-103X	C CAPACITOR		
	C2522	NCB31HK-103X	C CAPACITOR		
	C2523	NCF31CZ-104X	C CAPACITOR		
	C2529	NEA70GM-107X	E CAPACITOR		
	C2530	NCF31CZ-104X	C CAPACITOR		
	C2531	NCF31CZ-104X	C CAPACITOR		
	C2532	NEA70GM-107X	E CAPACITOR		
	C2533	NCF31CZ-104X	C CAPACITOR		
	C2534	NCF31CZ-104X	C CAPACITOR		
	C2535	NEA70GM-107X	E CAPACITOR		
	C2536	NCF31CZ-104X	C CAPACITOR		
	C2537	NEA70GM-107X	E CAPACITOR		
	C2560	NCF31CZ-104X	C CAPACITOR		
	C2561	NCF31CZ-104X	C CAPACITOR		
	C2562	NCF31CZ-104X	C CAPACITOR		
	C2563	NCF31CZ-104X	C CAPACITOR		
	C2564	NCS31HJ-101X	C CAPACITOR		
	C2565	NCF31CZ-104X	C CAPACITOR		
	C2566	NCF31CZ-104X	C CAPACITOR		

■ **Electrical parts list (DSP board)** **Block No. 05**

⚠	Item	Parts number	Parts name	Remarks	Area
	C2567	NCF31CZ-104X	C CAPACITOR		
	C2568	NEA71HM-105X	E.CAPACITOR.		
	C2571	NCF31CZ-104X	C CAPACITOR		
	C2572	NEA70GM-107X	E CAPACITOR		
	C2573	NCF31CZ-104X	C CAPACITOR		
	C2574	NEA70GM-107X	E CAPACITOR		
	C2575	NCF31CZ-104X	C CAPACITOR		
	C2576	NEA70GM-107X	E CAPACITOR		
	C2605	NCF31AZ-105X	C CAPACITOR		
	C2607	NCS31HJ-221X	C CAPACITOR		
	C2701	NCS31HJ-270X	C CAPACITOR		
	C2702	NCS31HJ-270X	C CAPACITOR		
	C2703	NEA71CM-106X	E.CAPACITOR		
	C2704	NEA71CM-106X	E.CAPACITOR		
	C2705	NCF31CZ-104X	C CAPACITOR		
	C2706	NCF31CZ-104X	C CAPACITOR		
	C2707	NEA71CM-106X	E.CAPACITOR		
	C2708	NEA71HM-225X	E.CAPACITOR		
	C2709	NCF31CZ-104X	C CAPACITOR		
	C2710	NCF31CZ-104X	C CAPACITOR		
	C2711	NEA71CM-106X	E.CAPACITOR		
	C2712	NCF31CZ-104X	C CAPACITOR		
	C2751	NEA71CM-106X	E.CAPACITOR		
	C2752	NCF31CZ-104X	C CAPACITOR		
	C2801	NCB31HK-102X	C CAPACITOR		
	C2802	NCB31HK-102X	C CAPACITOR		
	C2807	NEA71HM-225X	E.CAPACITOR.		
	C2808	NEA71HM-225X	E.CAPACITOR.		
	C2853	NCS31HJ-330X	C CAPACITOR		
	C2854	NCS31HJ-330X	C CAPACITOR		
	C2855	NCF31CZ-104X	C CAPACITOR		
	C2856	NCF31CZ-104X	C CAPACITOR		
	C2857	NEA71HM-225X	E.CAPACITOR.		
	C2858	NEA71HM-225X	E.CAPACITOR.		
	C2859	NCS31HJ-821X	C CAPACITOR		
	C2860	NCS31HJ-821X	C CAPACITOR		
	EP561	E409182-001SM	GRAND TERMINAL		
	IC501	DSPC56367PV150	IC		
	IC502	TC7S04FU-X	IC		
	IC503	TC7S04FU-X	IC		
	IC505	PQ070XZ1HZ-X	IC		
	IC506	PQ070XZ1HZ-X	IC		
	IC511	39VF0207CWHP02	IC		
	IC512	IS63LV102410K-X	IC		
	IC513	IS63LV102410K-X	IC		
	IC514	IS63LV102410K-X	IC		
	IC521	BA15218F-XE	IC		
	IC522	BA15218F-XE	IC		
	IC523	BA15218F-XE	IC		
	IC524	BA15218F-XE	IC		
	IC525	BA15218F-XE	IC		
	IC526	BA15218F-XE	IC		
	IC527	NJM2121M-X	IC		
	IC528	BA15218F-XE	IC		
	IC529	BA15218F-XE	IC		
	IC530	BA15218F-XE	IC		
	IC571	AK4586VQ	IC		
	IC572	AK4382AVT-X	IC		
	IC581	UPD784215AGC188	IC(MICRO C ROM)	FLASH	
	IC582	TC7SET32FU-X	IC		
	IC583	PQ070XZ1HZ-X	IC		
	J 564	QNN0347-001	PIN JACK		
	K2606	NQR0269-004X	FERRITE BEADS		
	LC505	NQR0450-001X	EMI FILTER		
	LC506	NQR0450-001X	EMI FILTER		
	LC507	NQR0450-001X	EMI FILTER		

⚠	Item	Parts number	Parts name	Remarks	Area
	PW503	QUB220-08HPHP	SIN TWIST WIRE	TO PW504	
	Q 570	DTC114YE-X	TRANSISTOR		
	Q 572	DTC114YE-X	TRANSISTOR		
	Q2101	2SD1328/ST/-X	TRANSISTOR		
	Q2131	2SD1328/ST/-X	TRANSISTOR		
	Q2151	DTA114YE-X	TRANSISTOR		
	Q2152	DTC114YE-X	TRANSISTOR		
	Q2154	DTA114YE-X	TRANSISTOR		
	Q2155	DTA114YE-X	TRANSISTOR		
	Q2156	DTA114YE-X	TRANSISTOR		
	Q2157	DTA114YE-X	TRANSISTOR		
	Q2201	2SD1328/ST/-X	TRANSISTOR		
	Q2202	2SD1328/ST/-X	TRANSISTOR		
	Q2273	2SC2412K/RS/-X	CHIP TRANSISTOR		
	Q2274	2SC2412K/RS/-X	CHIP TRANSISTOR		
	Q2301	2SD1328/ST/-X	TRANSISTOR		
	Q2302	2SD1328/ST/-X	TRANSISTOR		
	Q2363	2SD1328/ST/-X	TRANSISTOR		
	Q2364	2SD1328/ST/-X	TRANSISTOR		
	Q2401	2SD1328/ST/-X	TRANSISTOR		
	Q2431	2SC2412K/RS/-X	CHIP TRANSISTOR		
	Q2801	2SD1328/ST/-X	TRANSISTOR		
	Q2802	2SD1328/ST/-X	TRANSISTOR		
	R 570	NRSA63J-103X	MG RESISTOR		
	R 573	NRSA63J-432X	MG RESISTOR		
	R 574	NRSA63J-432X	MG RESISTOR		
	R 575	NRSA63J-432X	MG RESISTOR		
	R 576	NRSA63J-432X	MG RESISTOR		
	R 577	NRSA63J-822X	MG RESISTOR		
	R 578	NRSA63J-822X	MG RESISTOR		
	R 579	NRSA63J-822X	MG RESISTOR		
	R 580	NRSA63J-822X	MG RESISTOR		
	R 582	NRSA63J-103X	MG RESISTOR		
	R 585	NRSA63J-103X	MG RESISTOR		
	R 586	NRSA63J-103X	MG RESISTOR		
	R 587	NRSA63J-103X	MG RESISTOR		
	R 588	NRSA63J-103X	MG RESISTOR		
	R 589	NRSA63F-202X	MG RESISTOR		
	R 590	NRSA63F-122X	MG RESISTOR		
	R2001	NRSA63J-104X	MG RESISTOR		
	R2002	NRSA63J-104X	MG RESISTOR		
	R2003	NRSA63J-102X	MG RESISTOR		
	R2004	NRSA63J-102X	MG RESISTOR		
	R2005	NRSA63J-102X	MG RESISTOR		
	R2006	NRSA63J-102X	MG RESISTOR		
	R2007	NRSA63J-102X	MG RESISTOR		
	R2008	NRSA63J-102X	MG RESISTOR		
	R2101	NRSA63J-103X	MG RESISTOR		
	R2105	NRSA63J-102X	MG RESISTOR		
	R2107	NRSA63J-104X	MG RESISTOR		
	R2127	NRSA63J-473X	MG RESISTOR		
	R2128	NRSA63J-473X	MG RESISTOR		
	R2129	NRSA63J-100X	MG RESISTOR		
	R2130	NRSA63J-222X	MG RESISTOR		
	R2131	NRSA63J-103X	MG RESISTOR		
	R2132	NRSA63J-103X	MG RESISTOR		
	R2133	NRSA63J-103X	MG RESISTOR		
	R2151	NRSA63J-100X	MG RESISTOR		
	R2152	NRSA63J-103X	MG RESISTOR		
	R2153	NRSA63J-103X	MG RESISTOR		
	R2181	NRSA63J-513X	MG RESISTOR		
	R2182	NRSA63J-822X	MG RESISTOR		
	R2183	NRSA63J-104X	MG RESISTOR		
	R2191	NRSA63J-105X	MG RESISTOR		
	R2194	NRSA63J-105X	MG RESISTOR		
	R2195	NRSA63J-105X	MG RESISTOR		

■ **Electrical parts list (DSP board)** **Block No. 05**

⚠	Item	Parts number	Parts name	Remarks	Area
	R2196	NRSA63J-105X	MG RESISTOR		
	R2197	NRSA63J-105X	MG RESISTOR		
	R2201	NRSA63J-103X	MG RESISTOR		
	R2202	NRSA63J-103X	MG RESISTOR		
	R2205	NRSA63J-102X	MG RESISTOR		
	R2206	NRSA63J-102X	MG RESISTOR		
	R2207	NRSA63J-104X	MG RESISTOR		
	R2208	NRSA63J-104X	MG RESISTOR		
	R2211	NRSA63J-102X	MG RESISTOR		
	R2212	NRSA63J-102X	MG RESISTOR		
	R2213	NRSA63J-102X	MG RESISTOR		
	R2214	NRSA63J-102X	MG RESISTOR		
	R2215	NRSA63J-102X	MG RESISTOR		
	R2216	NRSA63J-102X	MG RESISTOR		
	R2221	NRSA63J-333X	MG RESISTOR		
	R2222	NRSA63J-333X	MG RESISTOR		
	R2223	NRSA63J-243X	MG RESISTOR		
	R2225	NRSA63J-104X	MG RESISTOR		
	R2226	NRSA63J-104X	MG RESISTOR		
	R2227	NRSA63J-104X	MG RESISTOR		
	R2231	NRSA63J-273X	MG RESISTOR		
	R2232	NRSA63J-273X	MG RESISTOR		
	R2233	NRSA63J-333X	MG RESISTOR		
	R2234	NRSA63J-333X	MG RESISTOR		
	R2235	NRSA63J-333X	MG RESISTOR		
	R2236	NRSA63J-333X	MG RESISTOR		
	R2237	NRSA63J-333X	MG RESISTOR		
	R2238	NRSA63J-333X	MG RESISTOR		
	R2261	NRSA63J-104X	MG RESISTOR		
	R2262	NRSA63J-104X	MG RESISTOR		
	R2273	NRSA63J-103X	MG RESISTOR		
	R2274	NRSA63J-103X	MG RESISTOR		
	R2275	NRSA63J-682X	MG RESISTOR		
	R2276	NRSA63J-682X	MG RESISTOR		
	R2277	NRSA63J-105X	MG RESISTOR		
	R2278	NRSA63J-105X	MG RESISTOR		
	R2281	NRSA63J-104X	MG RESISTOR		
	R2282	NRSA63J-104X	MG RESISTOR		
	R2283	NRSA63J-103X	MG RESISTOR		
	R2284	NRSA63J-103X	MG RESISTOR		
	R2285	NRSA63J-562X	MG RESISTOR		
	R2286	NRSA63J-562X	MG RESISTOR		
	R2287	NRSA63J-181X	MG RESISTOR		
	R2288	NRSA63J-181X	MG RESISTOR		
	R2289	NRSA63J-181X	MG RESISTOR		
	R2290	NRSA63J-181X	MG RESISTOR		
	R2291	NRSA63J-562X	MG RESISTOR		
	R2292	NRSA63J-562X	MG RESISTOR		
	R2293	NRSA63J-472X	MG RESISTOR		
	R2294	NRSA63J-472X	MG RESISTOR		
	R2295	NRSA63J-472X	MG RESISTOR		
	R2296	NRSA63J-472X	MG RESISTOR		
	R2301	NRSA63J-103X	MG RESISTOR		
	R2302	NRSA63J-103X	MG RESISTOR		
	R2305	NRSA63J-102X	MG RESISTOR		
	R2306	NRSA63J-102X	MG RESISTOR		
	R2307	NRSA63J-104X	MG RESISTOR		
	R2308	NRSA63J-104X	MG RESISTOR		
	R2353	NRSA63J-222X	MG RESISTOR		
	R2354	NRSA63J-222X	MG RESISTOR		
	R2355	NRSA63J-103X	MG RESISTOR		
	R2356	NRSA63J-103X	MG RESISTOR		
	R2357	NRSA63J-473X	MG RESISTOR		
	R2358	NRSA63J-473X	MG RESISTOR		
	R2359	NRSA63J-562X	MG RESISTOR		
	R2360	NRSA63J-562X	MG RESISTOR		

⚠	Item	Parts number	Parts name	Remarks	Area
	R2361	NRSA63J-102X	MG RESISTOR		
	R2362	NRSA63J-102X	MG RESISTOR		
	R2363	NRSA63J-104X	MG RESISTOR		
	R2364	NRSA63J-104X	MG RESISTOR		
	R2401	NRSA63J-103X	MG RESISTOR		
	R2405	NRSA63J-102X	MG RESISTOR		
	R2407	NRSA63J-104X	MG RESISTOR		
	R2425	NRSA63J-103X	MG RESISTOR		
	R2431	NRSA63J-473X	MG RESISTOR		
	R2432	NRSA63J-562X	MG RESISTOR		
	R2433	NRSA63J-512X	MG RESISTOR		
	R2434	NRSA63J-104X	MG RESISTOR		
	R2435	NRSA63J-102X	MG RESISTOR		
	R2485	NRSA63J-102X	MG RESISTOR		
	R2501	NRSA63J-105X	MG RESISTOR		
	R2502	NRSA63J-473X	MG RESISTOR		
	R2503	NRSA63J-473X	MG RESISTOR		
	R2504	NRSA63J-473X	MG RESISTOR		
	R2505	NRSA63J-473X	MG RESISTOR		
	R2506	NRSA63J-473X	MG RESISTOR		
	R2507	NRSA63J-473X	MG RESISTOR		
	R2508	NRSA63J-473X	MG RESISTOR		
	R2509	NRSA63J-221X	MG RESISTOR		
	R2510	NRSA63J-221X	MG RESISTOR		
	R2511	NRSA63J-221X	MG RESISTOR		
	R2512	NRSA63J-221X	MG RESISTOR		
	R2513	NRSA63J-221X	MG RESISTOR		
	R2514	NRSA63J-103X	MG RESISTOR		
	R2515	NRSA63J-103X	MG RESISTOR		
	R2516	NRSA63J-103X	MG RESISTOR		
	R2517	NRSA63J-103X	MG RESISTOR		
	R2518	NRSA63J-221X	MG RESISTOR		
	R2519	NRSA63J-221X	MG RESISTOR		
	R2520	NRSA63J-221X	MG RESISTOR		
	R2521	NRSA63J-103X	MG RESISTOR		
	R2522	NRSA63J-103X	MG RESISTOR		
	R2523	NRSA63J-103X	MG RESISTOR		
	R2524	NRSA63J-221X	MG RESISTOR		
	R2525	NRSA63J-470X	MG RESISTOR		
	R2526	NRSA63J-470X	MG RESISTOR		
	R2527	NRSA63J-470X	MG RESISTOR		
	R2531	NRSA63F-511X	MG RESISTOR		
	R2532	NRSA63F-102X	MG RESISTOR		
	R2533	NRSA63F-182X	MG RESISTOR		
	R2534	NRSA63F-122X	MG RESISTOR		
	R2560	NRSA63J-102X	MG RESISTOR		
	R2561	NRSA63J-471X	MG RESISTOR		
	R2562	NRSA63J-471X	MG RESISTOR		
	R2563	NRSA63J-471X	MG RESISTOR		
	R2564	NRSA63J-750X	MG RESISTOR		
	R2565	NRSA63J-222X	MG RESISTOR		
	R2566	NRSA63J-222X	MG RESISTOR		
	R2567	NRSA63J-222X	MG RESISTOR		
	R2568	NRSA63J-221X	MG RESISTOR		
	R2570	NRSA63J-182X	MG RESISTOR		
	R2581	NRSA63J-221X	MG RESISTOR		
	R2582	NRSA63J-221X	MG RESISTOR		
	R2583	NRSA63J-221X	MG RESISTOR		
	R2584	NRSA63J-221X	MG RESISTOR		
	R2585	NRSA63J-221X	MG RESISTOR		
	R2586	NRSA63J-221X	MG RESISTOR		
	R2587	NRSA63J-221X	MG RESISTOR		
	R2589	NRSA63J-221X	MG RESISTOR		
	R2591	NRSA63J-221X	MG RESISTOR		
	R2593	NRSA63J-221X	MG RESISTOR		
	R2594	NRSA63J-221X	MG RESISTOR		

■ **Electrical parts list (DSP board)** **Block No. 05**

⚠	Item	Parts number	Parts name	Remarks	Area
	R2595	NRSA63J-221X	MG RESISTOR		
	R2596	NRSA63J-221X	MG RESISTOR		
	R2597	NRSA63J-102X	MG RESISTOR		
	R2611	NRSA63J-473X	MG RESISTOR		
	R2612	NRSA63J-473X	MG RESISTOR		
	R2613	NRSA63J-473X	MG RESISTOR		
	R2614	NRSA63J-473X	MG RESISTOR		
	R2615	NRSA63J-473X	MG RESISTOR		
	R2616	NRSA63J-473X	MG RESISTOR		
	R2620	NRSA63J-470X	MG RESISTOR		
	R2621	NRSA63J-470X	MG RESISTOR		
	R2622	NRSA63J-470X	MG RESISTOR		
	R2623	NRSA63J-470X	MG RESISTOR		
	R2624	NRSA63J-470X	MG RESISTOR		
	R2625	NRSA63J-470X	MG RESISTOR		
	R2626	NRSA63J-470X	MG RESISTOR		
	R2627	NRSA63J-470X	MG RESISTOR		
	R2628	NRSA63J-470X	MG RESISTOR		
	R2629	NRSA63J-470X	MG RESISTOR		
	R2630	NRSA63J-470X	MG RESISTOR		
	R2631	NRSA63J-470X	MG RESISTOR		
	R2632	NRSA63J-470X	MG RESISTOR		
	R2633	NRSA63J-470X	MG RESISTOR		
	R2634	NRSA63J-470X	MG RESISTOR		
	R2635	NRSA63J-470X	MG RESISTOR		
	R2636	NRSA63J-470X	MG RESISTOR		
	R2701	NRSA63J-470X	MG RESISTOR		
	R2702	NRSA63J-221X	MG RESISTOR		
	R2703	NRSA63J-221X	MG RESISTOR		
	R2704	NRSA63J-221X	MG RESISTOR		
	R2705	NRSA63J-183X	MG RESISTOR		
	R2751	NRSA63J-221X	MG RESISTOR		
	R2752	NRSA63J-221X	MG RESISTOR		
	R2753	NRSA63J-221X	MG RESISTOR		
	R2754	NRSA63J-221X	MG RESISTOR		
	R2801	NRSA63J-103X	MG RESISTOR		
	R2802	NRSA63J-103X	MG RESISTOR		
	R2805	NRSA63J-102X	MG RESISTOR		
	R2806	NRSA63J-102X	MG RESISTOR		
	R2807	NRSA63J-104X	MG RESISTOR		
	R2808	NRSA63J-104X	MG RESISTOR		
	R2857	NRSA63J-473X	MG RESISTOR		
	R2858	NRSA63J-473X	MG RESISTOR		
	R2859	NRSA63J-562X	MG RESISTOR		
	R2860	NRSA63J-562X	MG RESISTOR		
	R2861	NRSA63J-102X	MG RESISTOR		
	R2862	NRSA63J-102X	MG RESISTOR		
	R2863	NRSA63J-104X	MG RESISTOR		
	R2864	NRSA63J-104X	MG RESISTOR		
	UN560	GP1FA351TZ	OPT TRANSMITTER		
	UN561	GP1FA351RZ	OPT RECEIVER		
	UN562	GP1FA351RZ	OPT RECEIVER		
	UN563	GP1FA351RZ	OPT RECEIVER		
	X 581	NAX0275-001X	1COSCIALLATOR		
	X2501	NAX0308-001X	RESONATOR		
	X2701	NAX0322-001X	CRYSTAL		

■ **Electrical parts list (Micon board)** **Block No. 06**

⚠	Item	Parts number	Parts name	Remarks	Area
⚠	C 1	QCZ9104-472	C CAPACITOR	4700PF	
	C 51	QFLC2AJ-472Z	M CAPACITOR	4700PF 5% 100V	
	C 52	QETM1JM-477	E CAPACITOR	UJ	
	C 53	QCF31HZ-472Z	C CAPACITOR	UJ ONLY	
	C 54	QETN1CM-477Z	E CAPACITOR	470MF 20% 16V	
	C 55	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 61	QFLC2AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 62	QFLC2AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 63	QFLC2AJ-104Z	M CAPACITOR	.10MF 5% 100V	
	C 65	QETM1VM-338	E.CAPACITOR	3300MF 20% 35V	
	C 66	QETM1VM-108	E.CAPACITOR	1000MF 20% 35V	
	C 68	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 69	QFLC1HJ-473Z	M CAPACITOR	.047MF 5% 50V	
	C 70	QETN1HM-227Z	E CAPACITOR	220MF 20% 50V	
	C 71	QETN1JM-107Z	E CAPACITOR	100MF 20% 63V	
	C 72	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 73	QETN1HM-226Z	E CAPACITOR	22MF 20% 50V	
	C 74	QETN1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 91	QCBB1HK-471Y	C CAPACITOR	EXCEPT J/C	
	C 92	QCBB1HK-471Y	C CAPACITOR	EXCEPT J/C	
	C 901	QETN0JM-107Z	E CAPACITOR	100MF 20% 6.3V	
	C 902	QCZ0202-155Z	ML C CAPACITOR	1.5MF	
	C 903	QETN0JM-228Z	E CAPACITOR	2200MF 20% 6.3V	
	C 904	QETN1HM-225Z	E CAPACITOR	2.2MF 20% 50V	
	C 905	QDVB1EZ-223Y	C CAPACITOR		
	C 921	QETN1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 922	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 931	QETN1CM-477Z	E CAPACITOR	470MF 20% 16V	
	C 932	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 941	QETN1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 942	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 951	QETN1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 952	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 961	QETN1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 962	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 971	QETN1EM-107Z	E CAPACITOR	100MF 20% 25V	
	C 972	QCF31HZ-472Z	C CAPACITOR	4700PF +80:-20%	
	C 975	QETN0JM-477Z	E CAPACITOR	470MF 20% 6.3V	
	C 981	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 982	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 983	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 984	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 985	QCBB1HK-103Y	C CAPACITOR	.010MF 10% 50V	
	C 991	QFLC1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
	C 992	QFLC1HJ-562Z	M CAPACITOR	5600PF 5% 50V	
	C 993	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 994	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	CN 55	QGD2504C1-03Z	SOCKET		
	CN 56	QGD2504C1-04Z	SOCKET		
	CN 71	QGB2510J1-11	CONNECTOR		
	CN 81	QGB2510J1-09	CONNECTOR		
	CN101	QGB2501J1-12	CONNECTOR		
	CN201	QGB2510J1-11	CONNECTOR		
	CN241	QGB2510J1-12	CONNECTOR		
	CN301	QGB2510J1-11	CONNECTOR		
	CN303	QGB2510J1-12	CONNECTOR		
	CN400	QGF1205C1-10	CONNECTOR		
	CN402	QGF1205C1-08	CONNECTOR		
	CN601	QGB2510J1-07	CONNECTOR		
	CN811	QGA3901F2-03	CONNECTOR		
	CN931	QGD2504C1-04Z	SOCKET		
	CN932	QGD2504C1-03Z	SOCKET		
	CN933	WJP0041-001A	E-SH C WIRE C-B		
⚠	D 51	11ES2-T4	DIODE		
⚠	D 52	11ES2-T4	DIODE		
⚠	D 53	11ES2-T4	DIODE		

⚠	Item	Parts number	Parts name	Remarks	Area
⚠	D 54	11ES2-T4	DIODE		
	D 55	MTZJ12C-T2	ZENER DIODE	UJ ONLY	
	D 56	MTZJ6.2B-T2	ZENER DIODE		
	D 57	1SS133-T2	SI DIODE		
⚠	D 61	10E2-FD	DIODE		
⚠	D 62	11ES2-T4	DIODE		
⚠	D 63	10E2-FD	DIODE		
⚠	D 64	11ES2-T4	DIODE		
	D 71	11ES2-T4	DIODE		
	D 72	11ES2-T4	DIODE		
	D 73	11ES2-T4	DIODE		
	D 74	MTZJ33C-T2	Z DIODE		
	D 75	MTZJ8.2C-T2	ZENER DIODE		
	D 900	11ES2-T4	DIODE		
	D 901	11ES2-T4	DIODE		
	D 902	11ES2-T4	DIODE		
	D 904	1SS133-T2	SI DIODE		
	D 921	MTZJ5.6C-T2	ZENER DIODE		
	D 931	MTZJ6.2C-T2	Z DIODE		
	D 941	MTZJ5.6C-T2	ZENER DIODE		
	D 951	MTZJ13C-T2	ZENER DIODE		
	D 955	1SS133-T2	SI DIODE		
	D 956	1SS133-T2	SI DIODE		
	D 961	MTZJ13C-T2	ZENER DIODE		
	D 971	MTZJ10C-T2	Z.DIODE		
	D 975	1SS133-T2	SI DIODE		
	D 976	1SS133-T2	SI DIODE		
	D 977	1SS133-T2	SI DIODE		
	D 978	1SS133-T2	SI DIODE		
	D 979	1SS133-T2	SI DIODE		
	D 993	1SS133-T2	SI DIODE		
	EP 1	E409182-001SM	GRAND TERMINAL		
	EP 51	QNZ0136-001Z	EARTH PLATE		
	EP 91	E406523-001SM	GND BKT		
	EP901	QNZ0136-001Z	EARTH PLATE		
	FC 1	QNG0020-001Z	FUSE CLIP	F001	
	FC 2	QNG0020-001Z	FUSE CLIP	F001	
	FC 3	QNG0020-001Z	FUSE CLIP	F002	
	FC 4	QNG0020-001Z	FUSE CLIP	F002	
	FC 5	QNG0020-001Z	FUSE CLIP	F004	
	FC 6	QNG0020-001Z	FUSE CLIP	F004	
	FC 61	QNG0020-001Z	FUSE CLIP	F061	
	FC 62	QNG0020-001Z	FUSE CLIP	F061	
	FC 63	QNG0020-001Z	FUSE CLIP	F062	
	FC 64	QNG0020-001Z	FUSE CLIP	F062	
	FL991	QQR0590-001	FILTER		
	FL992	QQR0590-001	FILTER		
	FW 51	QUM137-10DGZ4	PARA RIBON WIRE		
	FW831	QUM134-08DGZ4	PARA RIBON WIRE		
	FW881	QUM213-44DGZ4	SEMI V RESISTOR		
	HL901	VYH7237-002	IC HOLDER		
	HS 51	E70945-H40B	HEAT SINK	UJ ONLY	
	HS921	E70945-H40B	HEAT SINK		
	HS931	E70945-H40B	HEAT SINK		
	HS941	E70945-H40B	HEAT SINK		
	HS951	E70306-001	HEAT SINK		
	HS961	E70306-001	HEAT SINK		
	HS971	E70306-001	HEAT SINK		
⚠	IC901	MN101C49GJY	IC	ﾏｽｸ	
	IC903	IC-PST9139-T	IC		
	J 91	QNS0022-001	JACK		
	PW 10	QUB111-12PPPP	SIN TWIST WIRE	UJ ONLY	
	PW 11	QUB116-10PPPP	SIN TWIST WIRE	UJ ONLY	
	PW 12	QUB112-14PPPP	SIN TWIST WIRE	UJ ONLY	
	PW 13	QUB111-14PPPP	SIN TWIST WIRE	WITH PW23	
	PW 14	QUB114-12PPPP	SIN TWIST WIRE	UJ ONLY	

■ **Electrical parts list (Micon board)** **Block No. 06**

⚠	Item	Parts number	Parts name	Remarks	Area
	PW 15	QUB118-12PPPP	SIN TWIST WIRE	UJ ONLY	
	PW 16	QUB116-16PPPP	PIN WIRE	WITH PW26	
	PW 17	QUB111-18PPPP	SIN TWIST WIRE	UJ ONLY	
	PW 18	QUB112-28PPPP	SIN TWIST WIRE	WITH PW28	
	PW 19	QUB111-28PPPP	SIN TWIST WIRE	WITH PW29	
	PW 30	QUB116-28PPPP	SIN TWIST WIRE	WITH PW40	
	Q 51	2SD2395/EF/	TRANSISTOR	UJ ONLY	
	Q 52	KTD863/Y/-T	TRANSISTOR		
	Q 53	KRC105M-T	D.TRANSISTOR		
	Q 71	KTA1046/Y/	TRANSISTOR		
	Q 74	KTC3200/GL/-T	TRANSISTOR		
	Q 901	KRC107M-T	D.TRANSISTOR		
	Q 903	KRC105M-T	D.TRANSISTOR		
	Q 904	KRC105M-T	D.TRANSISTOR		
	Q 906	KRC105M-T	D.TRANSISTOR		
	Q 907	KRC105M-T	D.TRANSISTOR		
	Q 908	KRC105M-T	D.TRANSISTOR		
⚠	Q 921	2SD2395/EF/	TRANSISTOR		
⚠	Q 931	2SD2395/EF/	TRANSISTOR		
⚠	Q 941	2SD2395/EF/	TRANSISTOR		
	Q 951	2SD2395/EF/	TRANSISTOR		
	Q 961	KTA1046/Y/	TRANSISTOR		
	Q 971	2SD2395/EF/	TRANSISTOR		
	R 51	QRJ146J-153X	UNF C RESISTOR	UJ ONLY	
	R 52	QRL017J-332	UNF OMF RESISTO	UJ ONLY	
⚠	R 53	QRJ146J-6R8X	UNF C RESISTOR	6.8 5% 1/4W	
	R 54	QRE141J-821Y	C RESISTOR	820 5% 1/4W	
	R 61	QRJ146J-8R2X	UNF C RESISTOR	EXCEPT J/C	
	R 72	QRJ146J-332X	UNF C RESISTOR	3.3K 5% 1/4W	
	R 73	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 74	QRE141J-104Y	C RESISTOR	100K 5% 1/4W	
	R 91	QRL027J-471	UNF OMF.RES.	470 5% 1/2W	
	R 92	QRL027J-471	UNF OMF.RES.	470 5% 1/2W	
	R 903	QRE141J-331Y	C RESISTOR	330 5% 1/4W	
	R 908	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 910	QRE141J-223Y	C RESISTOR	22K 5% 1/4W	
	R 911	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 913	QRT027J-3R9	UNF.MF.RES.	3.9 5% 1/2W	
	R 914	QRT027J-3R9	UNF.MF.RES.	3.9 5% 1/2W	
	R 915	QRT027J-3R9	UNF.MF.RES.	3.9 5% 1/2W	
	R 916	QRT027J-3R9	UNF.MF.RES.	3.9 5% 1/2W	
	R 918	QRL027J-180	UNF.MF.RES.	18 5% 1/2W	
	R 921	QRK126J-120X	C RESISTOR	12 5% 1/2W	
	R 922	QRK126J-120X	C RESISTOR	12 5% 1/2W	
	R 923	QRJ146J-272X	UNF C RESISTOR	2.7K 5% 1/4W	
	R 924	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 925	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 926	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 927	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 928	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 929	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 931	QRL017J-330	OMF RESISTOR	33 5% 1/1W	
	R 932	QRL017J-330	OMF RESISTOR	33 5% 1/1W	
	R 933	QRJ146J-272X	UNF C RESISTOR	2.7K 5% 1/4W	
	R 937	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 938	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 939	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 940	QRJ146J-3R3X	UNF C RESISTOR	3.3 5% 1/4W	
	R 941	QRK126J-120X	C RESISTOR	12 5% 1/2W	
	R 942	QRK126J-120X	C RESISTOR	12 5% 1/2W	
	R 943	QRJ146J-272X	UNF C RESISTOR	2.7K 5% 1/4W	
	R 944	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 945	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 946	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 951	QRK126J-120X	C RESISTOR	12 5% 1/2W	
	R 953	QRJ146J-222X	UNF C RESISTOR	2.2K 5% 1/4W	

⚠	Item	Parts number	Parts name	Remarks	Area
	R 954	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 955	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 956	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 961	QRK126J-120X	C RESISTOR	12 5% 1/2W	
	R 963	QRJ146J-222X	UNF C RESISTOR	2.2K 5% 1/4W	
	R 965	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 966	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 967	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 968	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 969	QRE141J-103Y	C RESISTOR	10K 5% 1/4W	
	R 971	QRJ146J-120X	UNF C RESISTOR	12 5% 1/4W	
	R 973	QRJ146J-332X	UNF C RESISTOR	3.3K 5% 1/4W	
	R 975	QRJ146J-220X	UNF C RESISTOR	22 5% 1/4W	
	R 976	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 977	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 978	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 979	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 980	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 981	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 982	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 983	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 984	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 985	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 986	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 987	QRE141J-221Y	C RESISTOR	220 5% 1/4W	
	R 991	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 992	QRE141J-472Y	C RESISTOR	4.7K 5% 1/4W	
	R 993	QRE141J-622Y	C RESISTOR	6.2K 5% 1/4W	
	R 994	QRE141J-512Y	C RESISTOR	5.1K 5% 1/4W	
	R 995	QRE141J-133Y	C RESISTOR	13K 5% 1/4W	
	R 996	QRE141J-332Y	C RESISTOR	3.3K 5% 1/4W	
	R 997	QRE141J-153Y	C RESISTOR	15K 5% 1/4W	
	R 998	QRE141J-562Y	C RESISTOR	5.6K 5% 1/4W	
	R 999	QRE141J-103Y	C RESISTOR	EXCEPT E/EN	
⚠	RY 1	QSK0098-001	RELAY		
⚠	T 2	QQT0281-004	POWER TRANSF	UJ	
	TA 1	QNZ0079-001Z	TAB IM		
	TA 2	QNZ0079-001Z	TAB IM		
⚠	TH 71	QAD0095-4R7Z	POSISTOR		
⚠	VS 1	QSW0812-001	VOLTAGE SWITCH	UJ ONLY	
	X 901	QAX0246-001Z	C RESONATOR		

■ **Electrical parts list (Tuner board)** **Block No. 07**

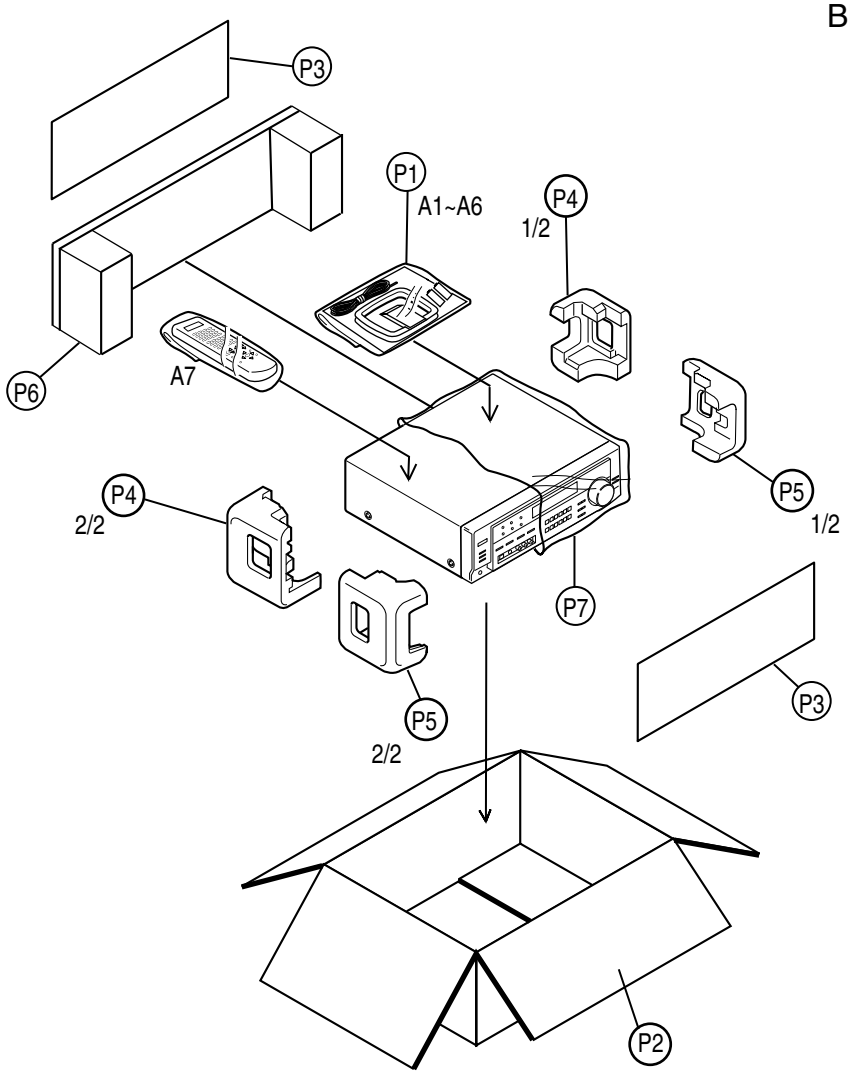
⚠	Item	Parts number	Parts name	Remarks	Area
	AT101	QNB0014-001	ANT TERMINAL		
	BK 1	LV31618-001A	SHIELD BKT		
	C 101	NCB21HK-103X	C CAPACITOR	C/M B	
	C 103	NCB21HK-223X	C CAPACITOR	C/M B	
	C 105	NCB21HK-223X	C CAPACITOR	C/M B	
	C 107	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 111	NCB21HK-473X	C CAPACITOR	C/M B	
	C 112	NDC21HJ-120X	C CAPACITOR	C/M B	
	C 121	NDC21HJ-120X	C CAPACITOR	C/M B	
	C 122	NDC21HJ-120X	C CAPACITOR	C/M B	
	C 123	NCB21HK-473X	C CAPACITOR	C/M B	
	C 126	NCS21HJ-101X	C CAPACITOR	C/M B	
	C 128	QENC1HM-474Z	NP E CAPACITOR	.47MF 20% 50V	
	C 129	NCB21HK-102X	C CAPACITOR	C/M B	
	C 130	QEKC1AM-107Z	E CAPACITOR	100MF 20% 10V	
	C 133	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 134	NCB21HK-222X	C CAPACITOR		
	C 135	NCB21HK-223X	C CAPACITOR	C/M B	
	C 136	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 137	NCB21HK-331X	C CAPACITOR	C/M B	
	C 138	NCB21HK-473X	C CAPACITOR	C/M B	
	C 139	NCB21HK-223X	C CAPACITOR	C/M B	
	C 140	NCB21HK-223X	C CAPACITOR	C/M B	
	C 141	NCB21HK-473X	C CAPACITOR	C/M B	
	C 143	NCB21HK-223X	C CAPACITOR	C/M B	
	C 144	NCB21HK-473X	C CAPACITOR	C/M B	
	C 146	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 147	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 148	QEKC1HM-224Z	E CAPACITOR	.22MF 20% 50V	
	C 149	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 150	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 156	QDGB1HK-102Y	C CAPACITOR	C/M B	
	C 157	NCB21HK-473X	C CAPACITOR	C/M B	
	C 158	QEKC1CM-226Z	E CAPACITOR	22MF 20% 16V	
	C 161	QEKC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 162	QEKC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 163	NCB21HK-223X	C CAPACITOR	C/M B	
	C 164	NCB21HK-473X	C CAPACITOR	C/M B	
	C 168	QEKC1HM-105Z	E CAPACITOR	1.0MF 20% 50V	
	C 184	QEKC1CM-107Z	E CAPACITOR	100MF 20% 16V	
	C 185	QEKC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	C 186	QEKC1CM-106Z	E CAPACITOR	10MF 20% 16V	
	CF101	QAX0419-001Z	C FILTER		
	CF102	QAX0604-001Z	C FILTER		
	CF103	QAX0519-001Z	C FILTER		
	CN111	QGB2501K2-12	CONNECTOR		
	D 121	1SS133-T2	SI DIODE IM		
	D 123	1SS133-T2	SI DIODE IM		
	D 129	1SS133-T2	SI DIODE IM		
	IC102	LA1838	IC		
	IC121	LC72136N	IC		
	Q 102	2SC535/BC/-T	TRANSISTOR		
	Q 103	2SC461/BC/-T	TRANSISTOR		
	Q 121	KRA103M-T	TRANSISTOR *	FM+B	
	R 103	NRSA02J-221X	MG RESISTOR	C/M B	
	R 104	NRSA02J-272X	MG RESISTOR	C/M B	
	R 105	NRSA02J-391X	MG RESISTOR	C/M B	
	R 106	NRSA02J-102X	MG RESISTOR	C/M B	
	R 107	NRSA02J-391X	MG RESISTOR	C/M B	
	R 108	NRSA02J-332X	MG RESISTOR	C/M B	
	R 109	NRSA02J-221X	MG RESISTOR	C/M B	
	R 115	NRSA02J-104X	MG RESISTOR	C/M B	
	R 119	NRSA02J-103X	MG RESISTOR	C/M B	
	R 122	NRSA02J-472X	MG RESISTOR	C/M B	
	R 124	NRSA02J-222X	MG RESISTOR	C/M B	
	R 126	NRSA02J-562X	MG RESISTOR	C/M B	

⚠	Item	Parts number	Parts name	Remarks	Area
	R 127	NRSA02J-822X	MG RESISTOR	C/M B	
	R 128	NRSA02J-472X	MG RESISTOR	C/M B	
	R 129	NRSA02J-222X	MG RESISTOR	C/M B	
	R 130	QRZ9005-680X	F RESISTOR	68 1/4W	
	R 132	NRSA02J-393X	MG RESISTOR	C/M B	
	R 133	NRSA02J-392X	MG RESISTOR	C/M B	
	R 134	NRSA02J-102X	MG RESISTOR	C/M B	
	R 140	NRSA02J-183X	MG RESISTOR	C/M B	
	R 141	NRSA02J-102X	MG RESISTOR	C/M B	
	R 142	NRSA02J-470X	MG RESISTOR	C/M B	
	R 143	NRSA02J-562X	MG RESISTOR	C/M B	
	R 144	NRSA02J-332X	MG RESISTOR	C/M B	
	R 145	NRSA02J-103X	MG RESISTOR	C/M B	
	R 146	NRSA02J-392X	MG RESISTOR	C/M B	
	R 147	NRSA02J-332X	MG RESISTOR	C/M B	
	R 150	NRSA02J-331X	MG RESISTOR	C/M B	
	R 157	NRSA02J-682X	MG RESISTOR	C/M B	
	R 158	NRSA02J-682X	MG RESISTOR	C/M B	
	R 161	NRSA02J-102X	MG RESISTOR	C/M B	
	R 162	NRSA02J-102X	MG RESISTOR	C/M B	
	R 182	NRSA02J-103X	MG RESISTOR		
	R 183	NRSA02J-103X	MG RESISTOR		
	R 184	NRSA02J-103X	MG RESISTOR		
	RF101	QAU0124-002	FRONT END		
	T 111	QQR0796-001	COIL BLOCK		
	T 142	QQR0973-001	IFT		
	X 121	QAX0402-001	CRYSTAL		

Packing materials and accessories parts list

Block No. M 3 M M

Block No. M 5 M M



■ Parts list (Packing)

Block No. M3MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	P 1	QPA02503505P	POLY BAG	1		
	P 2	LV20989-024A	CARTON BOX	1	RX-8022PSLA	
	P 3	LV32034-003A	SHEET	2		
	P 4	LV20947-001A	PACKING PAD	1		
	P 5	LV20948-001A	PACKING PAD	1		
	P 6	LV30385-004A	SHEET	1	A ONLY	
	P 7	QPC06507015P	POLY BAG	1		

■ Parts list (Accessories)

Block No. M5MM

⚠	Item	Parts number	Parts name	Q'ty	Description	Area
	A 1	LVT0870-006A	INST BOOK	1	ENG	
	A 2	BT-56001-2	WARRANTY CARD	1		
	A 3	BT-56002-2	SVC CENTER LIST	1		
	A 4	EWP503-001C	ANT.WIRE	1		
	A 5	QAL0204-001	AM LOOP ANT	1		
	A 6	----------	BATTERY	2		
	A 7	RM-SRX8020J	REMOCON	1		

JVC

SCHEMATIC DIAGRAMS

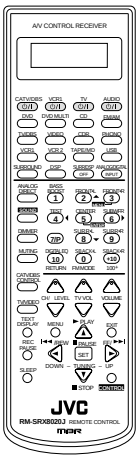
AUDIO/VIDEO CONTROL RECEIVER

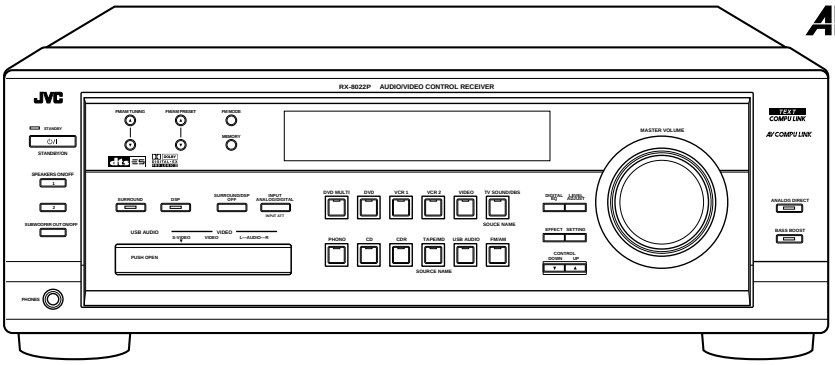
RX-8022PSL

CD-ROM No.SML200210

Area suffix

A ---------- Australia





AV COMPU LINK

TEXT COMPU LINK

dts ES

DOLBY DIGITAL • EX PRO LOGIC II

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Standard schematic diagrams ---------- 2-3
Printed circuit boards ---------- 2-13~19

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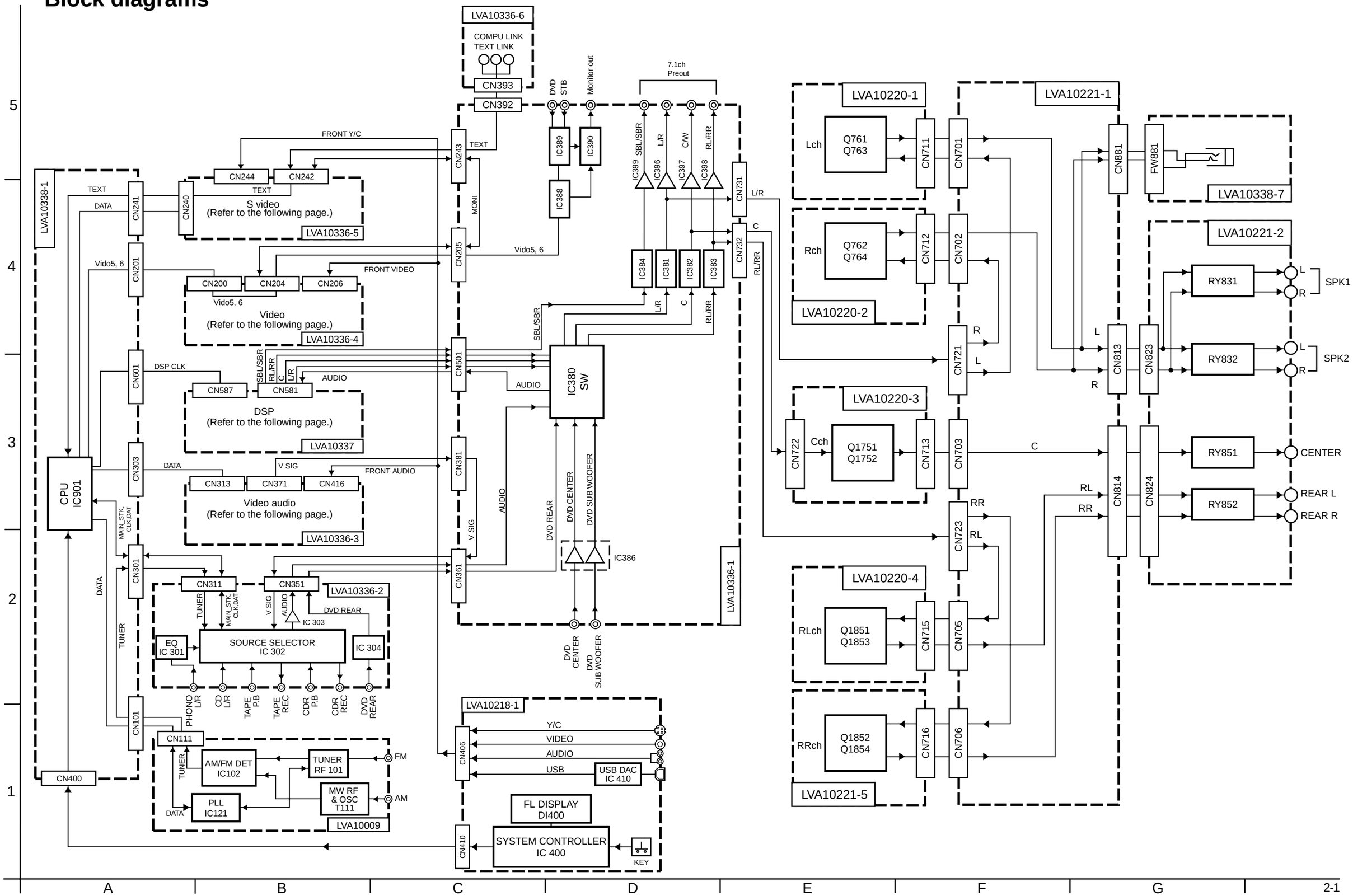
No.21160SCH
Oct. 2002

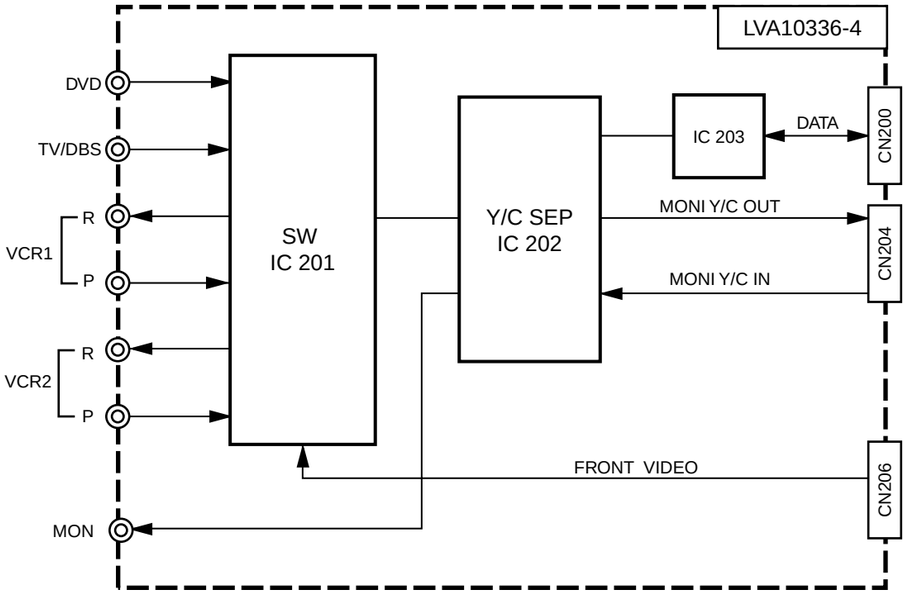
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▬) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

(This regulation does not correspond to J and C version.)

Block diagrams



■ Video section



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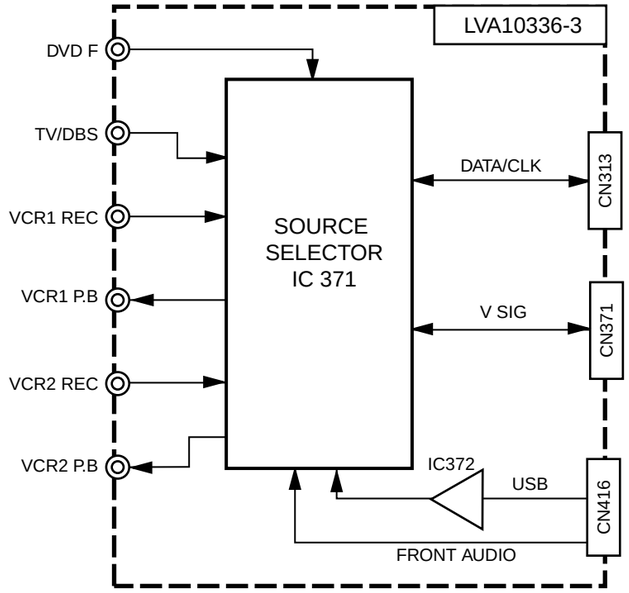

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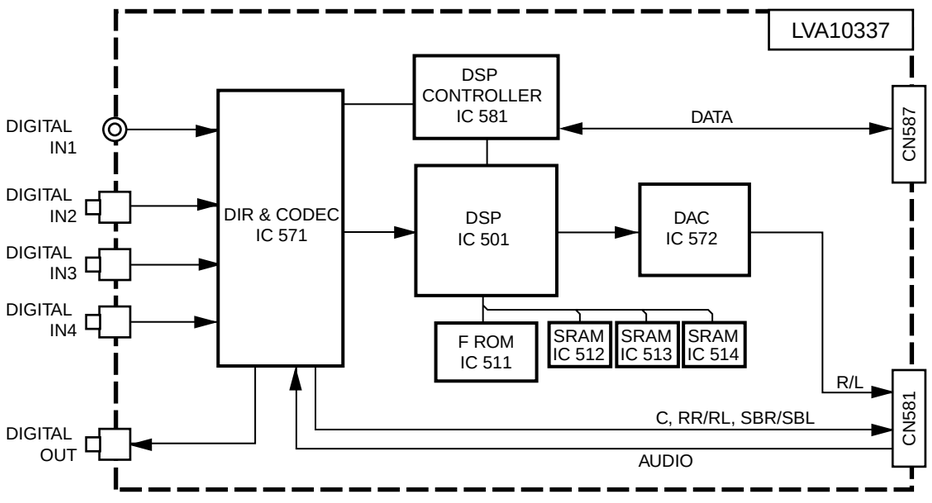
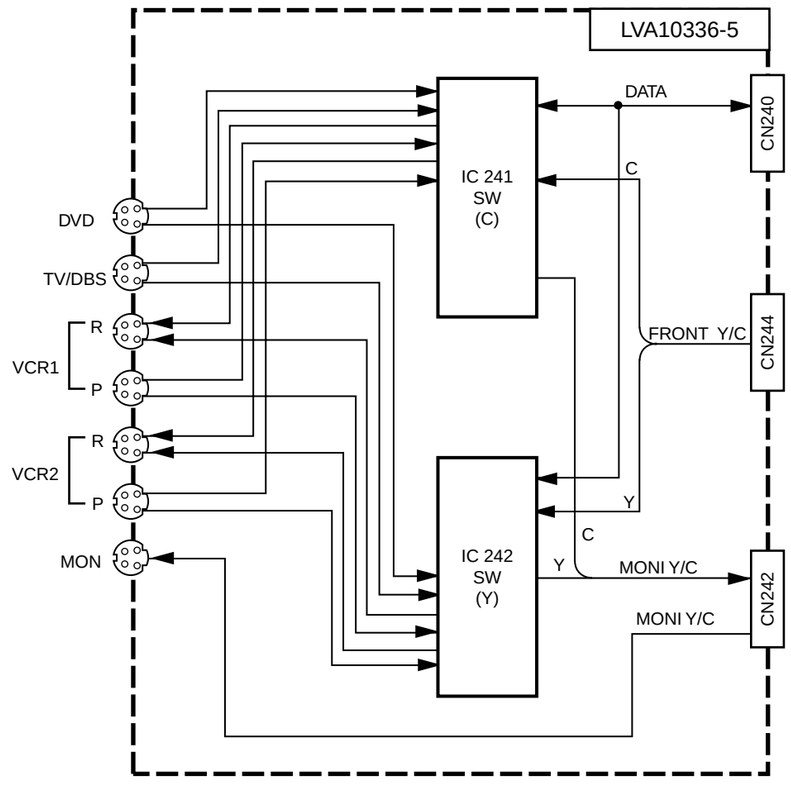
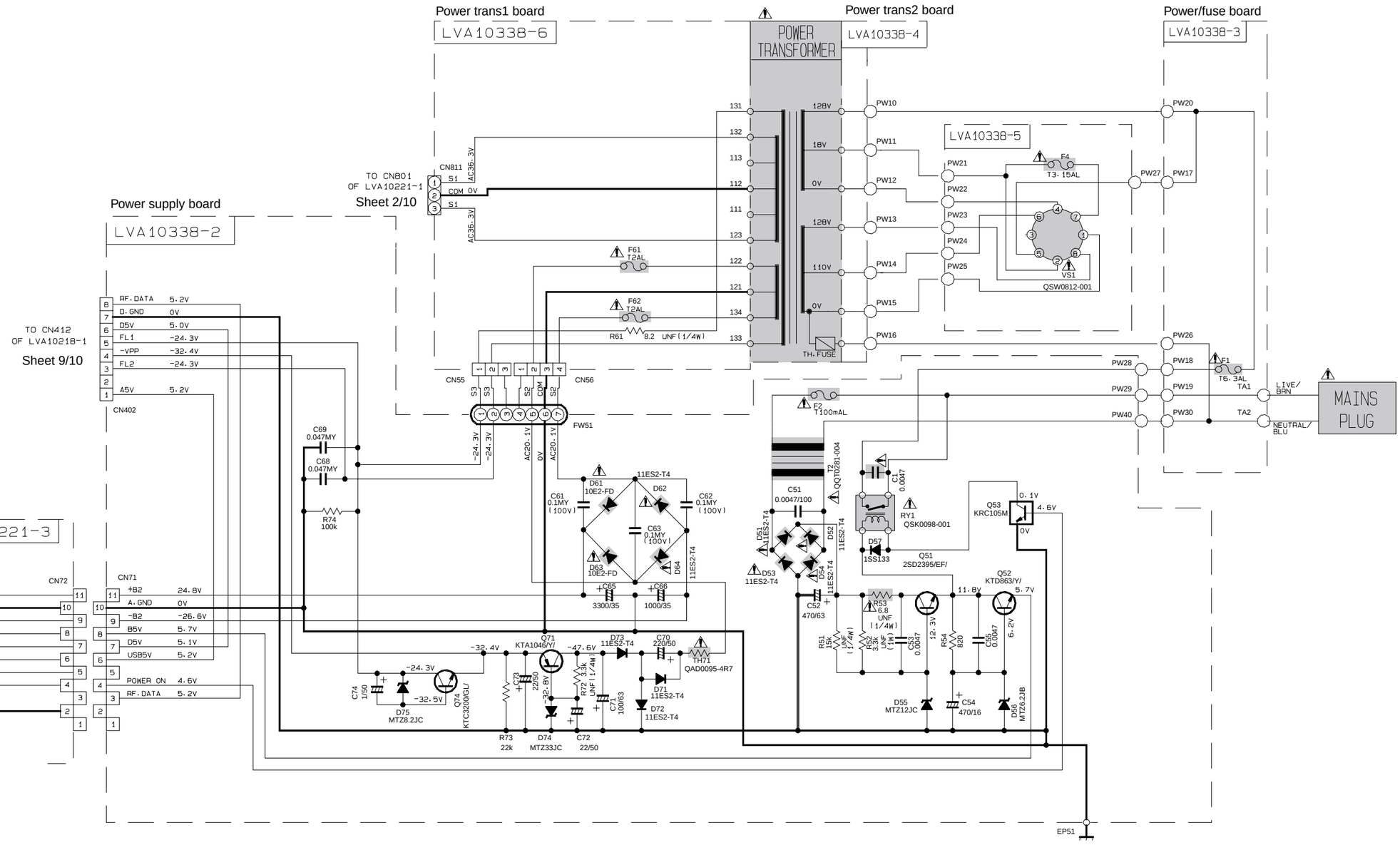


■ S Video section



Standard schematic diagrams

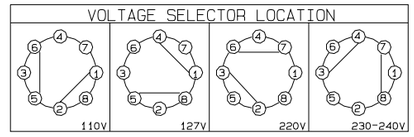
■ Power supply section



SHEET NUMBER	CIRCUIT DESCRIPTION
1/10	POWER SUPPLY
2/10	MAIN
3/10	AUDIO
4/10	AUDIO SIGNAL / VIDEO SIGNAL INPUT
5/10	DVD
6/10	AUDIO AMP (FRONT CHANNEL)
7/10	AUDIO AMP (CENTER, REAR CHANNEL)
8/10	DSP
9/10	SYSTEM CONTROL
10/10	TUNER

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION --- COLD START. POWER ON. DVD MULTI. VOL 30
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/6W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN uF(p=pF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V).

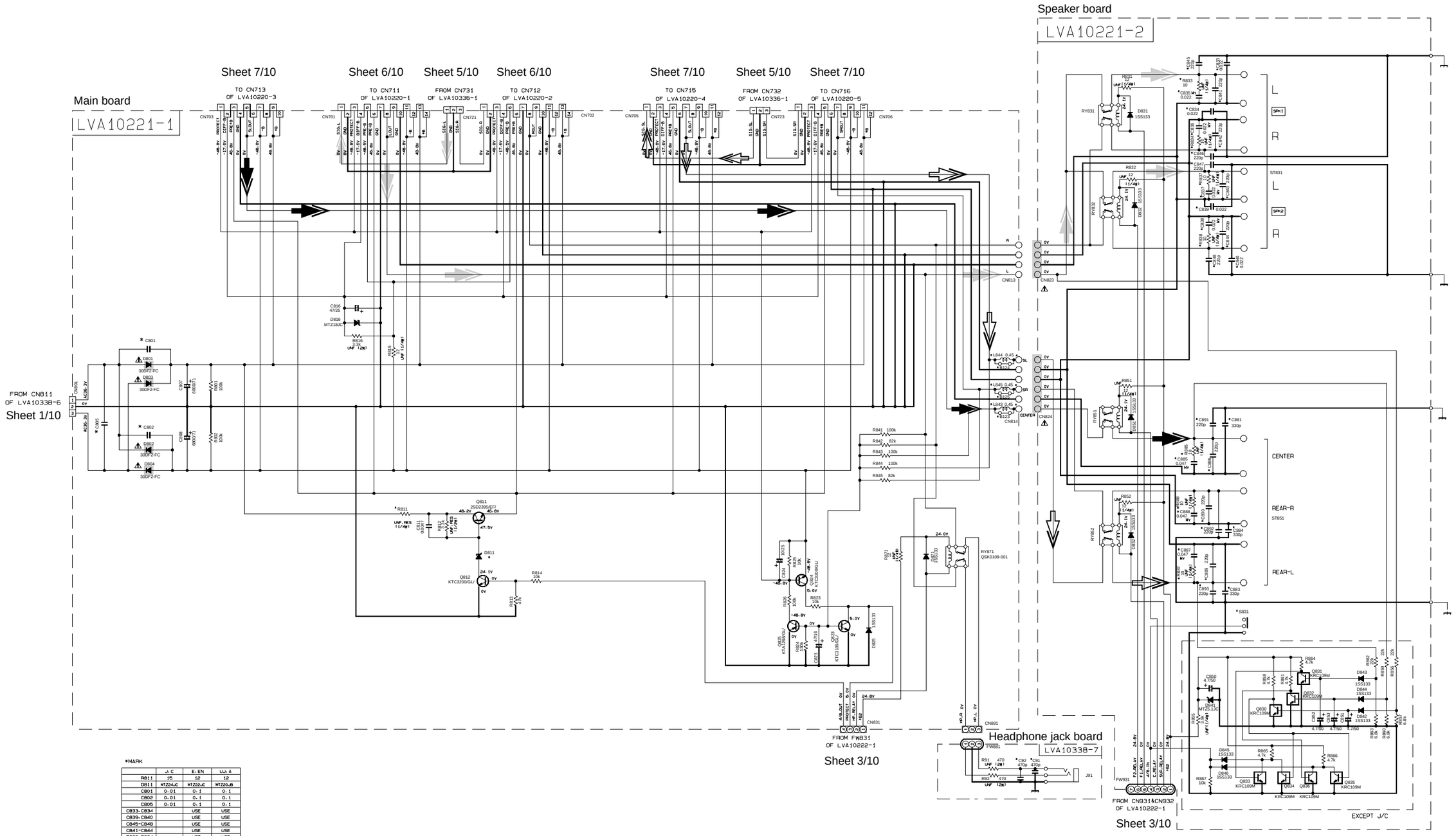
VOLTAGE SELECTOR LOCATION



⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

SHEET 1/10

■ Main & Speaker terminal section



*MARK

	J-C	E-EN	U-A
RB11	1S	1Ω	1Ω
DB11	MTZ24JC	MTZ22JC	MTZ20JB
CB01	0.01	0.1	0.1
CB02	0.01	0.1	0.1
CB05	0.01	0.1	0.1
CB33-CB34		USE	USE
CB39-CB40		USE	USE
CB45-CB48		USE	USE
CB41-CB44		USE	USE
RB33-RB34		USE	USE
RB37-RB38		USE	USE
CB35-CB38		USE	USE
CB81		USE	USE
CB91		USE	USE
CB86		USE	USE
RB85		USE	USE
CB85		USE	USE
CB83-CB84		USE	USE
CB92-CB93		USE	USE
CB89-CB90		USE	USE
RB87-RB88		USE	USE
CB87-CB88		USE	USE
C91-C92		USE	USE
LB43-LB45		USE	USE
B123-B126	USE		

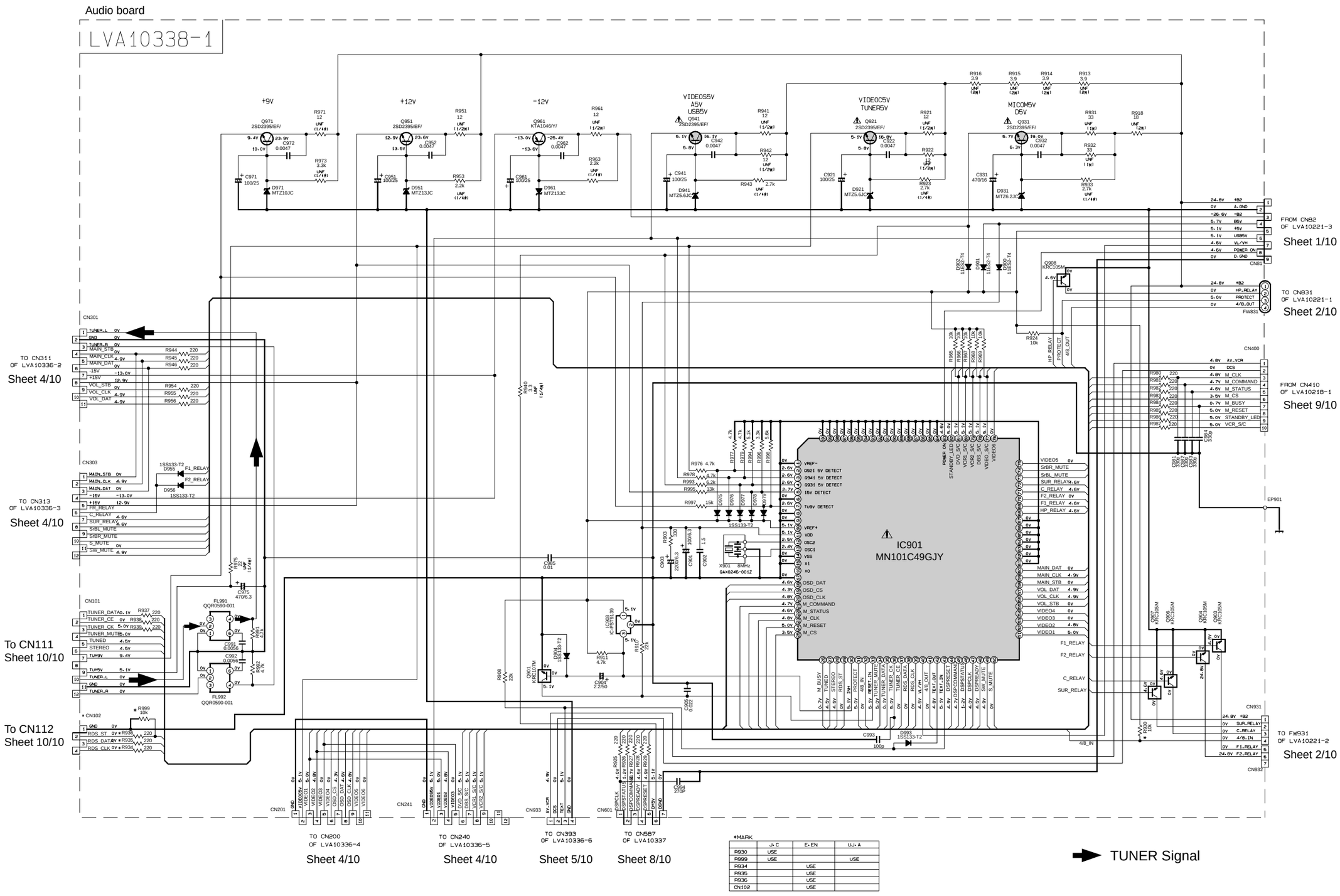
FRONT Signal
CENTER Signal
REAR Signal

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Audio section

Audio board

LVA10338-1



*MARK

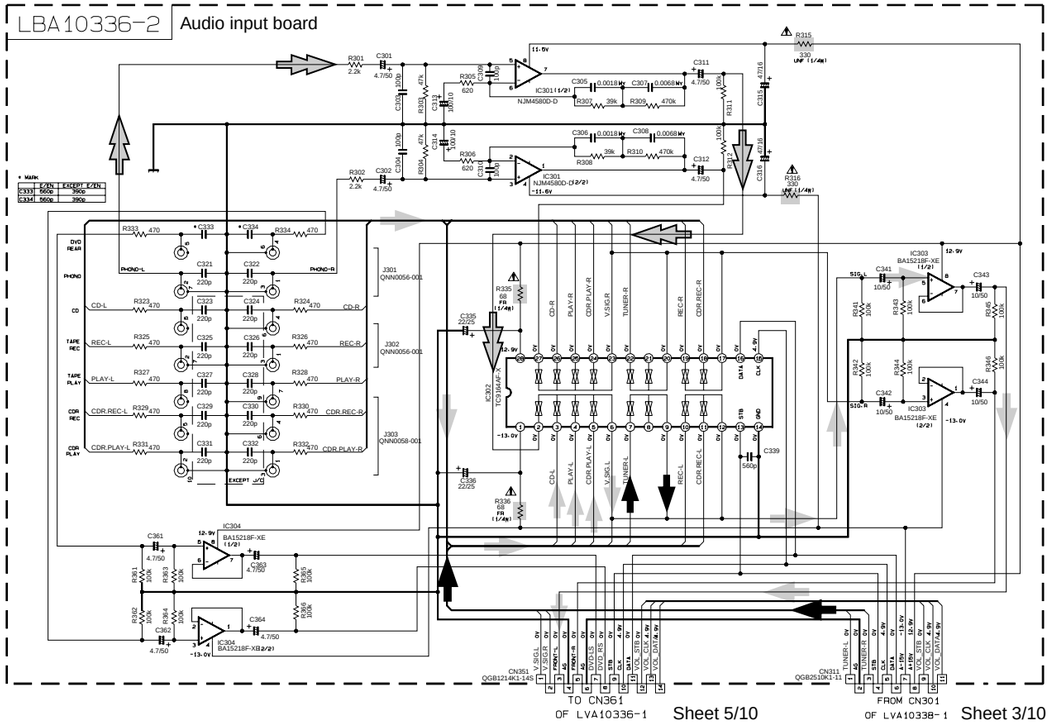
	J-C	E-EN	U.A
R930	USE		
R999	USE		USE
R934		USE	
R935		USE	
R936		USE	
CN102		USE	

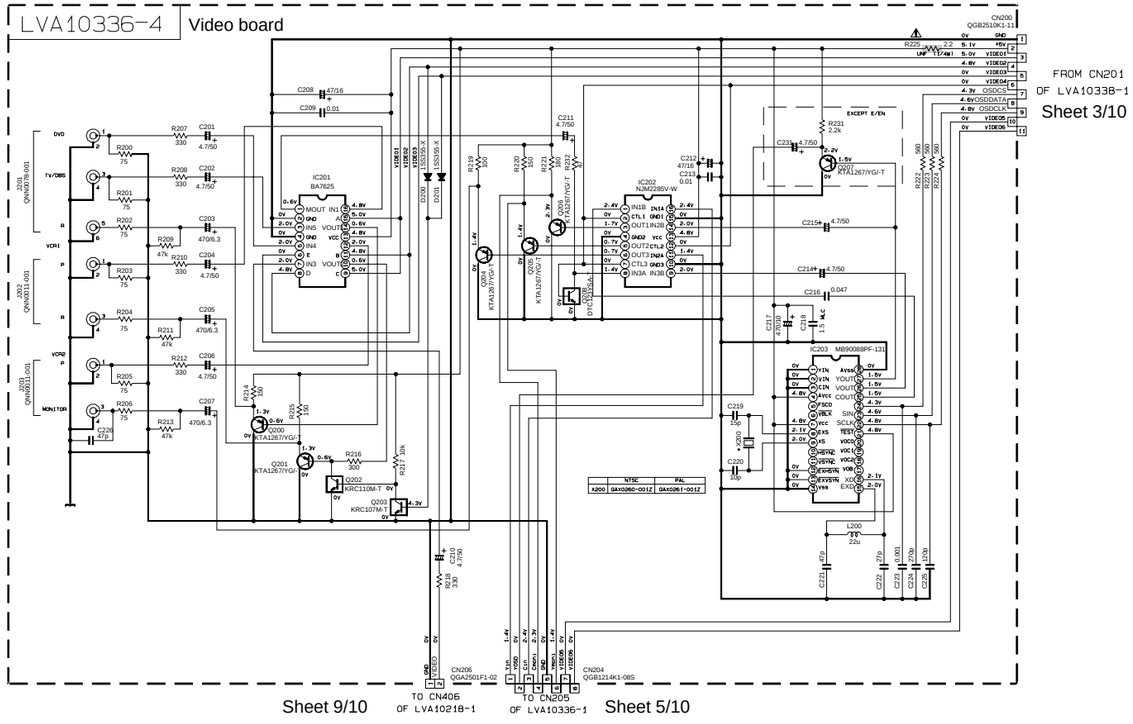
TUNER Signal

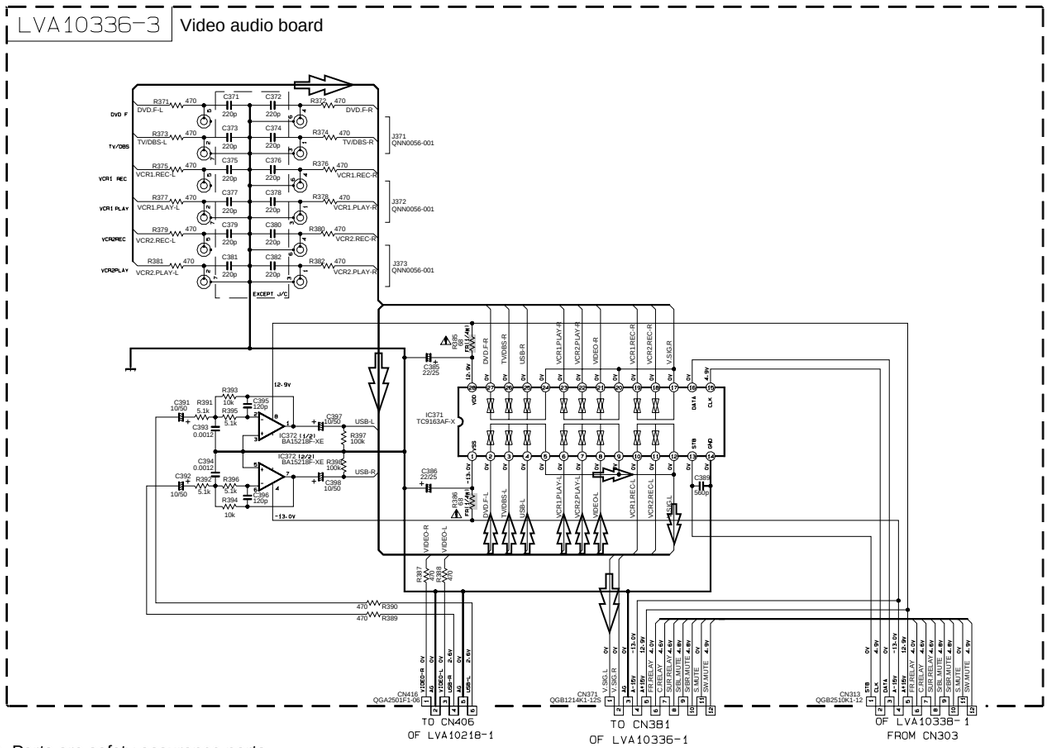
⚠ Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

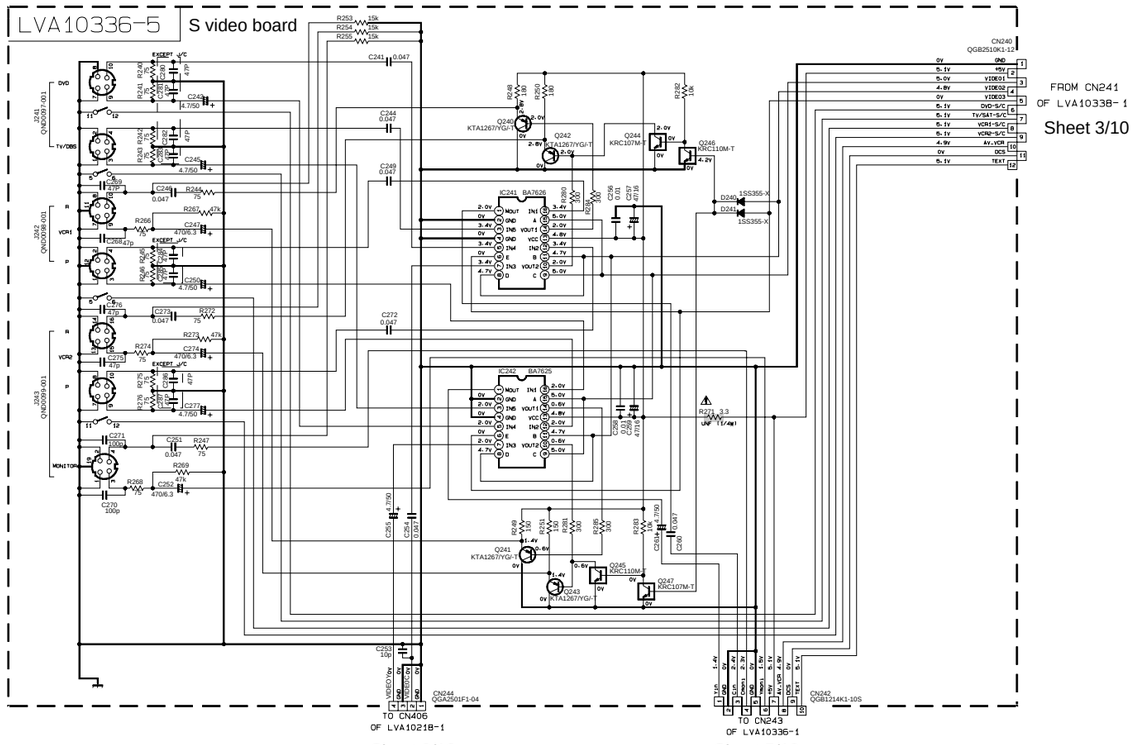
SHEET 3/10

■ Audio / Video Audio / Video / S video signal input section









⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

AUDIO Signal TUNER Signal PHONO Signal VIDEO AUDIO Signal

SHEET 4/10

■ DVD section

LVA10336-6 Compulink board

Sheet 3/10 TO CN933 OF LVA10338-1

EXCEPT E/EN

TO CN242 OF LVA10336-5 Sheet 4/10

TO CN204 OF LVA10336-4 Sheet 4/10

TO CN681 OF LVA10337 Sheet 8/10

TO CN371 OF LVA10336-3 Sheet 4/10

TO CN351 OF LVA10336-2 Sheet 4/10

TO CN721 OF LVB10221-1 Sheet 2/10

Sheet 7/10

TO CN722 OF LVA10220-3

TO CN723 OF LVA10221-1

Sheet 2/10

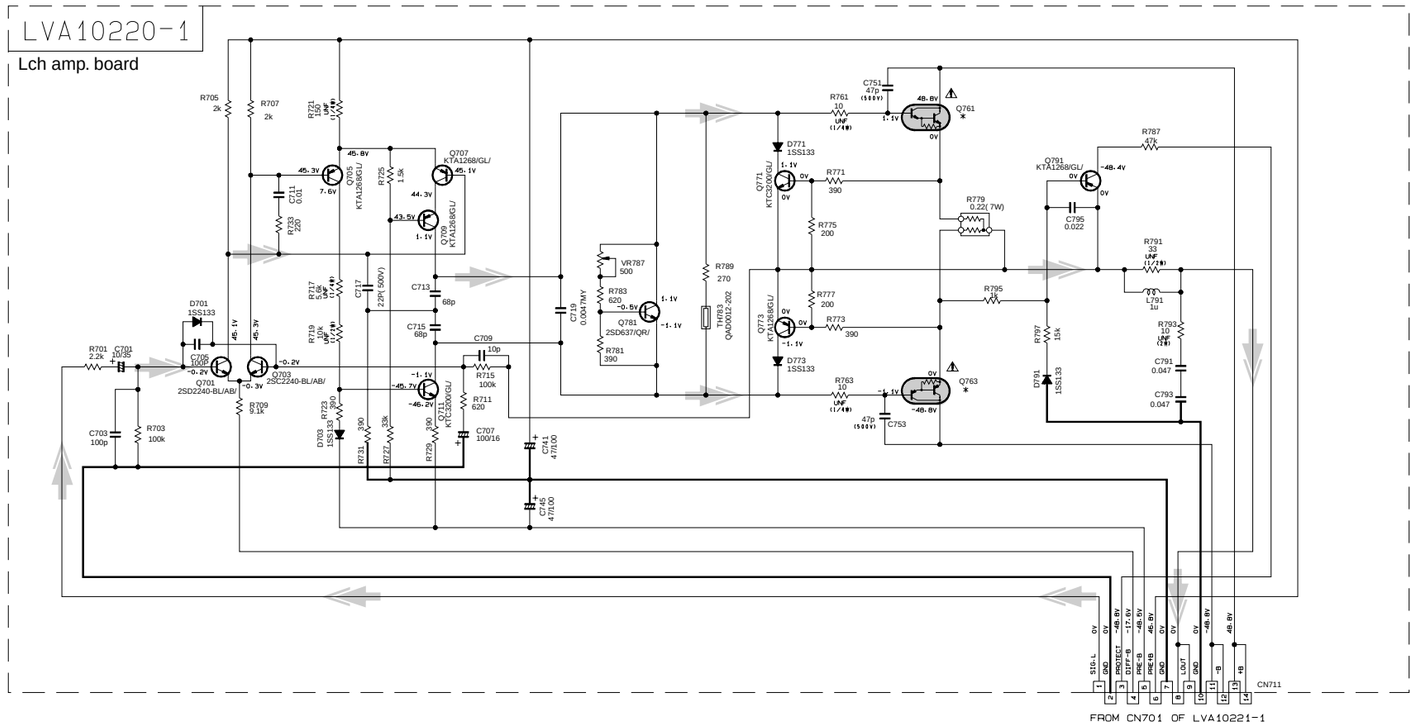
LVA10336-1 DVD board

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

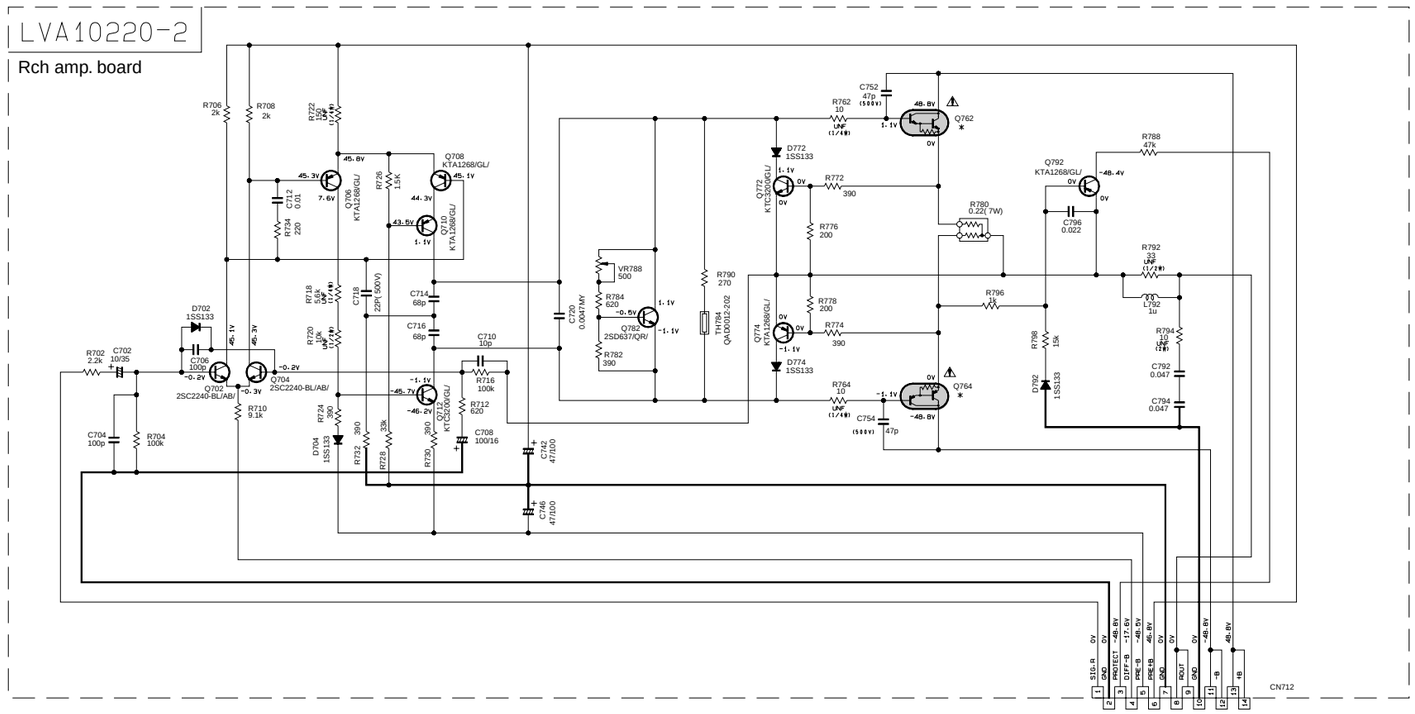
AUDIO Signal FRONT Signal CENTER Signal REAR Signal

SHEET 5/10

■ Audio amp. section (1/2)



Sheet 2/10



Sheet 2/10

*MARK

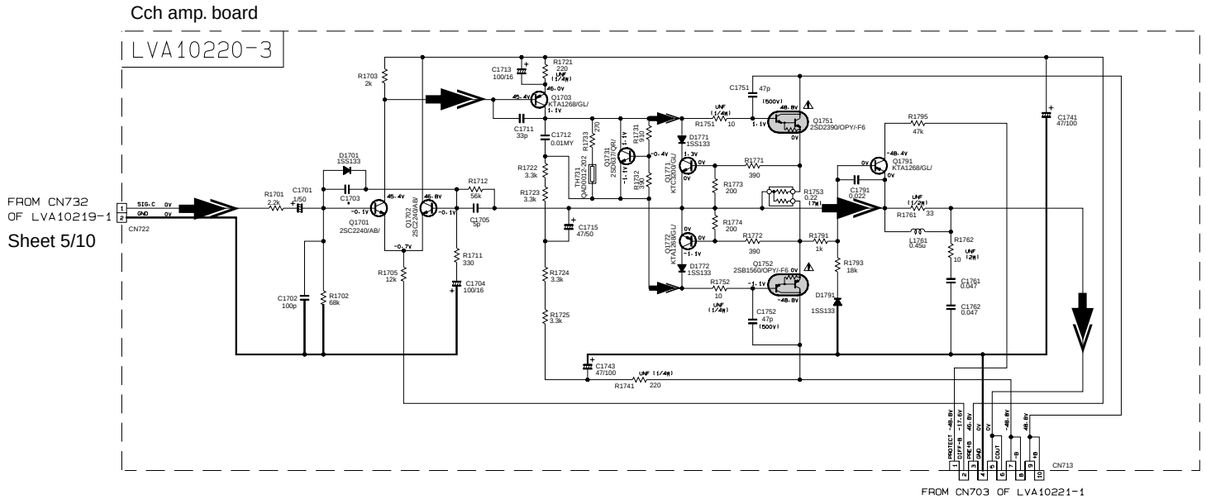
	J/C	EXCEPT J/C
Q761, Q762	2SD2560/QPY/-F6	2SD2390/QPY/-F6
Q763, Q764	2SB1647/QPY/-F6	2SB1560/QPY/-F6

FRONT Signal

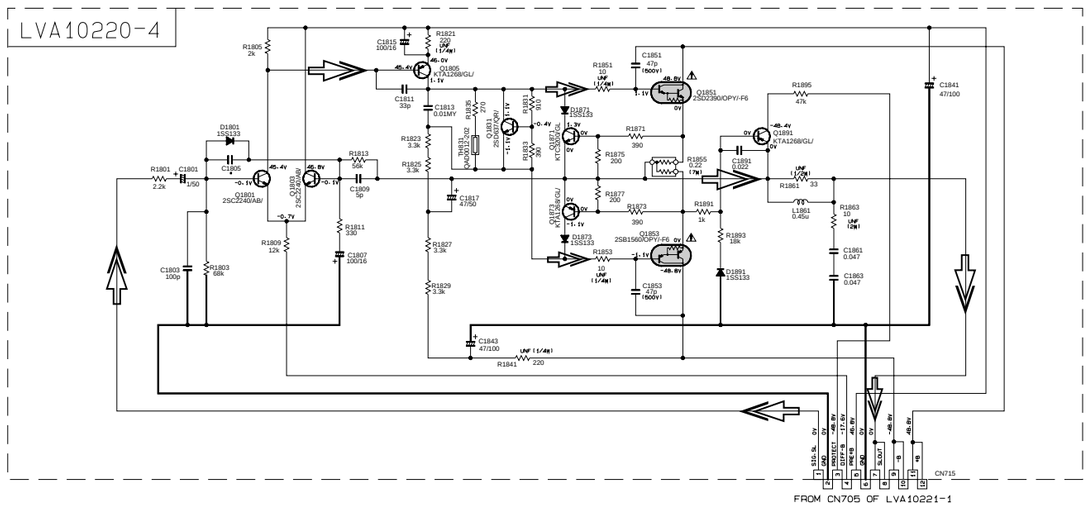
⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ **Audio amp. section** (2/2)

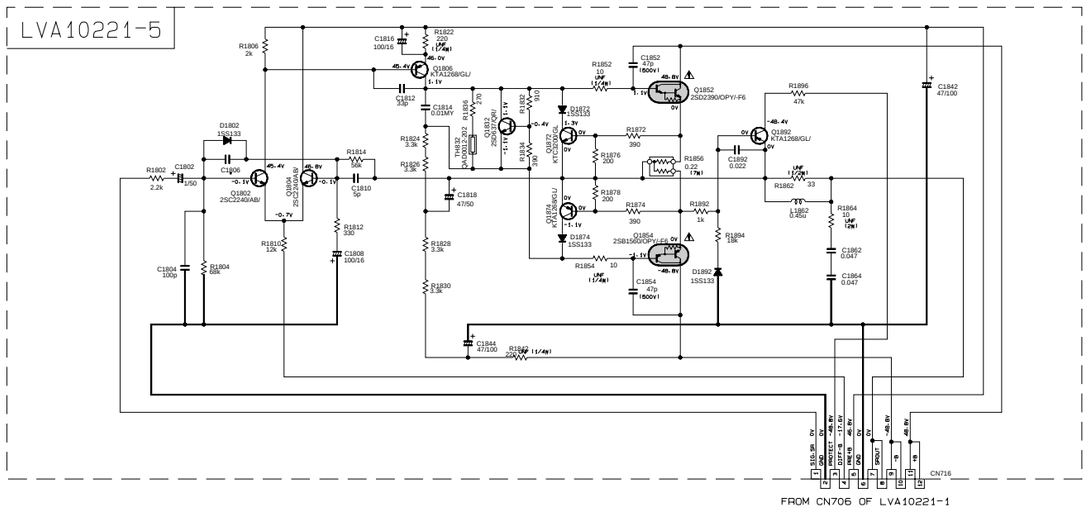
Cch amp. board



RLch amp. board



RRch amp. board



*MARK

	J/C	EXCEPT J/C
C1703-C1805-C1806	100p	220p

CENTER Signal

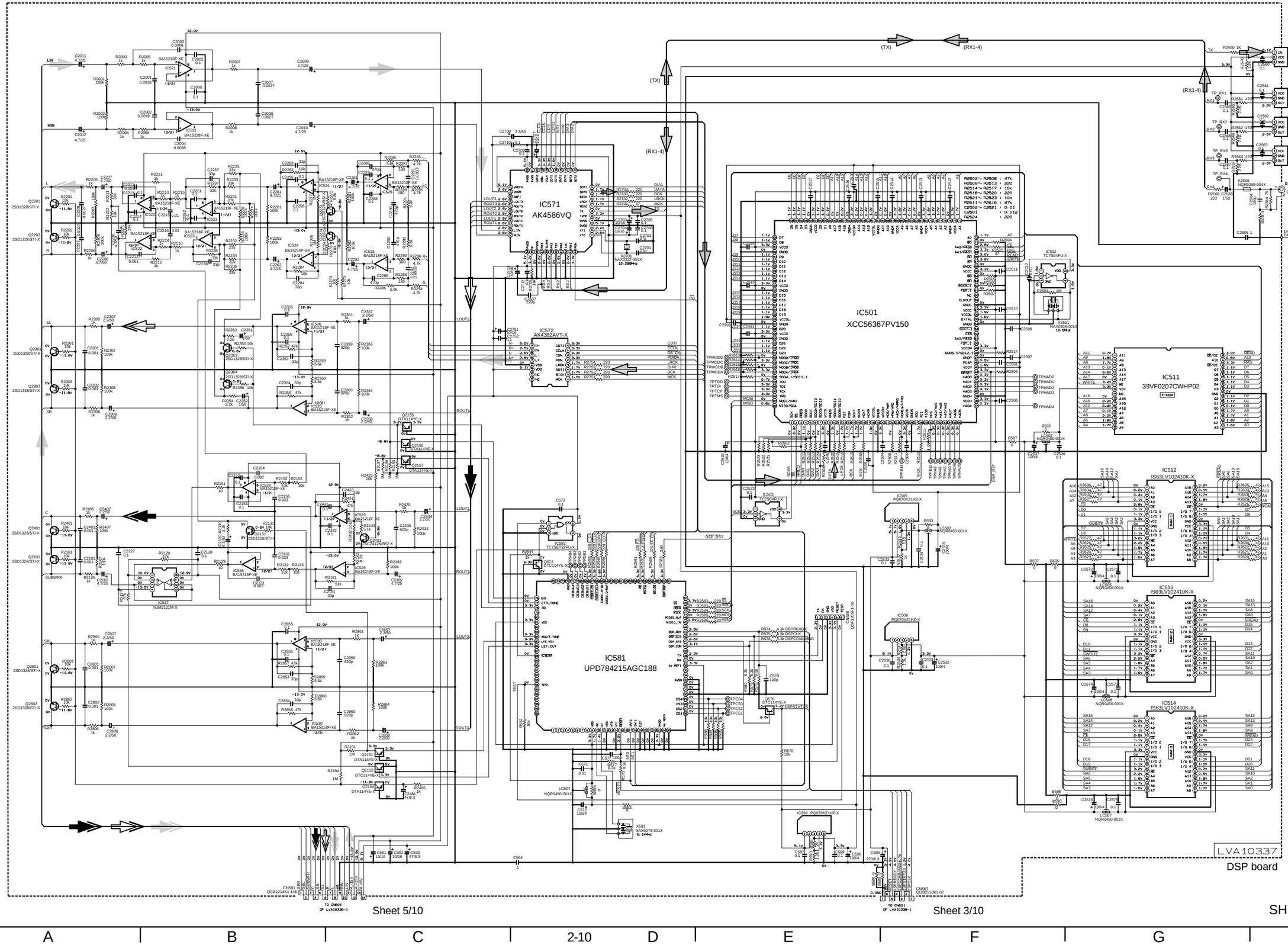
REAR Signal

⚠ Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

SHEET 7/10

■ DSP section

AUDIO Signal　DIGITAL AUDIO Signal　FRONT Signal　CENTER Signal　REAR Signal



A　B　C　2-10　D　E　F　G　H

■ System control & FL display section

System control board

LVA10218-1

IC400
MN101C35DHL1

IC411
NJU7341F33

IC410
PCM2702ED-X

IC404
GP1UM281XK

IC402
BU2092

JS400
QSW0898-001

CN412
QGF1205F1-08

CN410
QGF1205F1-10

CN406
NUP0031-001A

CN430
QGA2501C1-03

CN422
QJK025-041201

CN432
QGA2501C1-04

CN420
QJK025-031301

J401
QNZ0541-001

J400

X410
QAX0320-001Z

X400
QAX0246-001Z
8MHz

DI400
QLF0102-001

TO CN402
OF LVA10338-2
Sheet 1/10

TO CN400
OF LVA10338-1
Sheet 3/10

TO CN244
OF LVA10336-5

TO CN206
OF LVA10336-4

TO CN416
OF LVA10336-3

Sheet 4/10

Power switch board LVA10218-2

Switch board LVA10218-3

*MARK	E/EN	OTHERS
S427	QSW0683-001Z	-
S428	QSW0683-001Z	-
S429	QSW0683-001Z	-
S430	QSW0683-001Z	-
S400	7.5mm	-
S401	7.5mm	-
S402	7.5mm	-
S403	7.5mm	-

*MARK	u/C	E/EN	UJ	A
R437	-	1k	1k	1k
R438	-	1.2k	1.2k	1.2k
R439	-	-	1.5k	1.5k
R440	-	-	2.2k	-
R441	-	-	-	-
R442	-	-	-	-
R444	-	1k	-	1k
B404	7.5mm	-	-	-
B405	-	-	-	-
B406	-	7.5mm	-	-
B407	-	-	-	7.5mm
B408	-	-	7.5mm	-
B409	-	-	-	-
B410	5mm	-	5mm	-
C451	-	220p	220p	220p
C452	-	220p	220p	220p
C463	-	47p	47p	47p
C464	-	47p	47p	47p
C465	-	47p	47p	47p

SHEET 9/10

■ Tuner section

Tuner board

LVA10009

FM RF

FM IF AMP

MW RF&OSC

PLL

RF101 QAU0124-002

AT101 QNB0014-001

CF101 QAX0419-001Z

CF102 QAX0604-001Z

CF103 QAX0519-001Z

X121 QAX0402-001

T111 QQR0796-001

T142 QQR0973-001

Q103 2SC461/BC

Q102 2SC535/BC

Q121 DTA124E

IC121 LC72136N

IC102 LA1838

D123 1SS133

D121 1SS133

D129 1SS133

D124

D125

TP101 V. TUNE

CN111 QGB2501K2-12

FM75Ω

GND

AM

* NOTE C139 AND C140 ARE CHANGED AS BELOW TABLE.

	C139.C140
J.C	0.033
U.A	0.022

D124 AND D125 ARE USED IN J/C VERSION ONLY

To CN101 Sheet 3/10

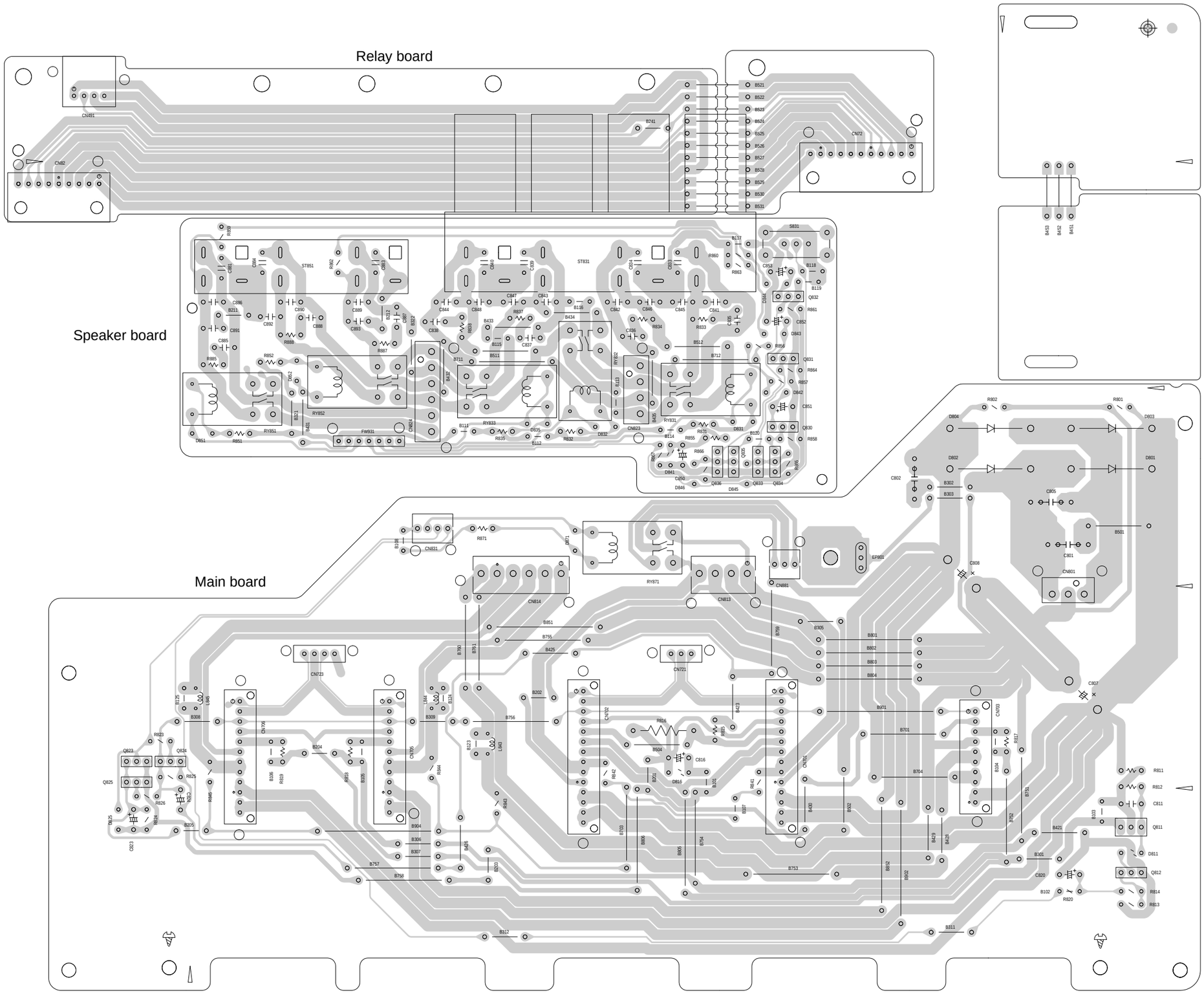
FM/TUNER Signal

AM Signal

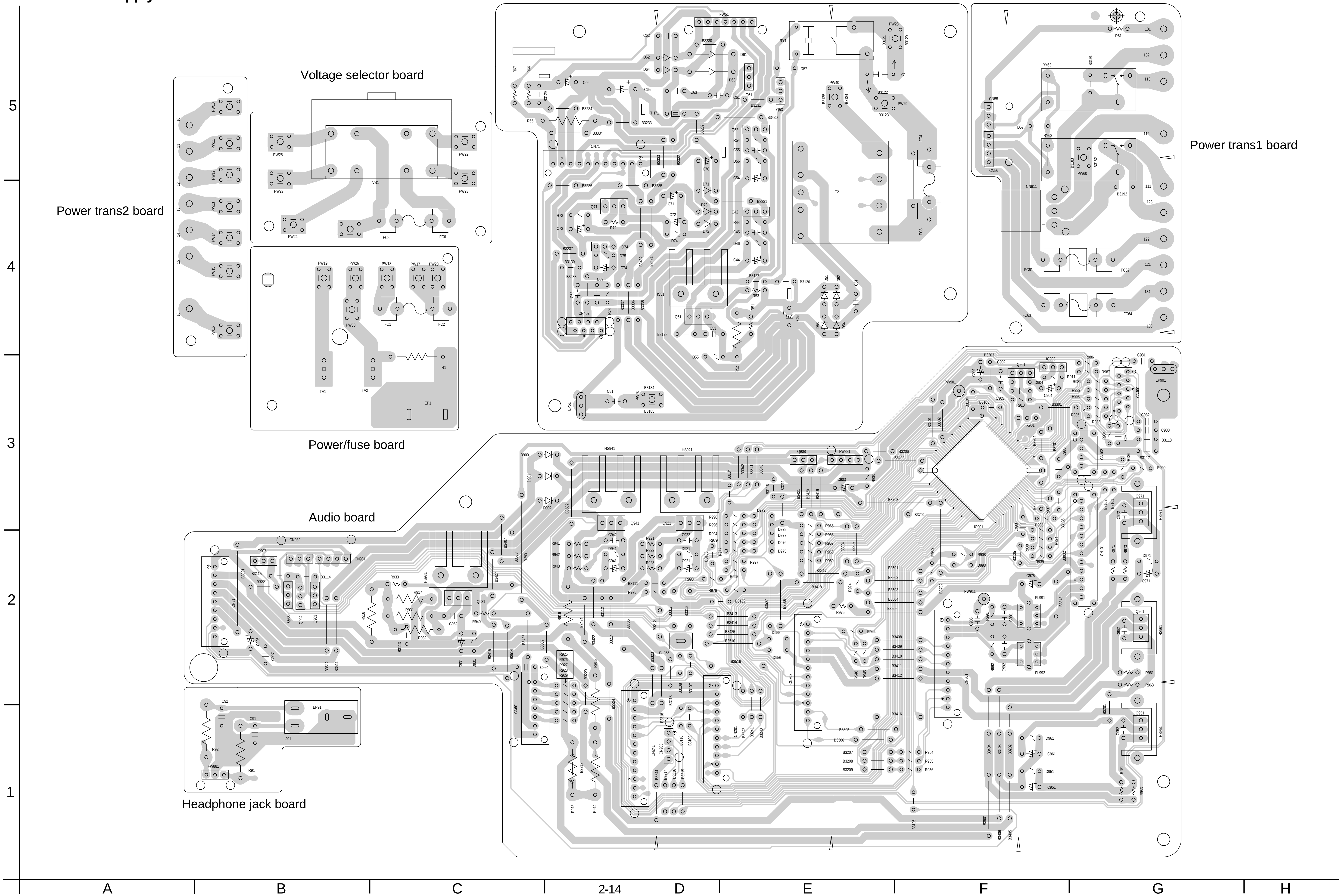
SHEET 10/10

Printed circuit boards

■ Main board

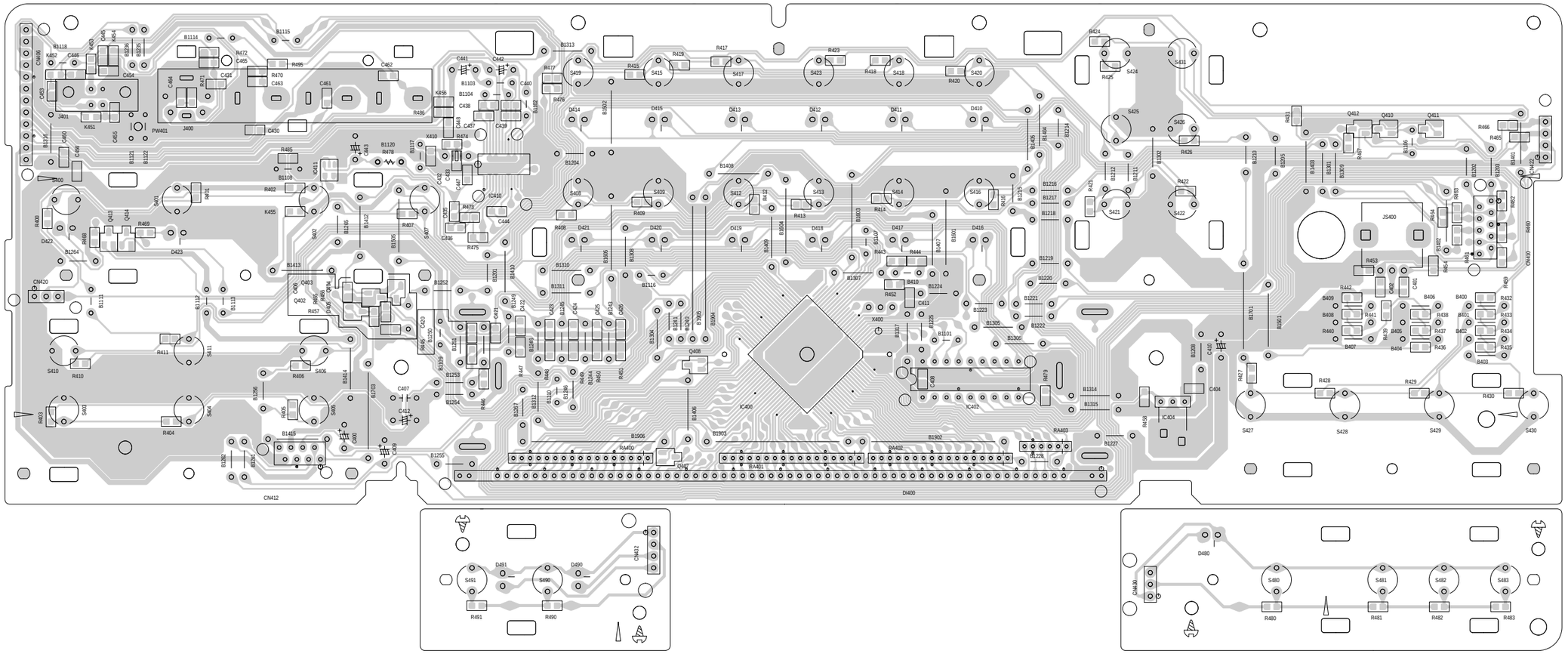


■ Power supply board / Audio board



■ Front board

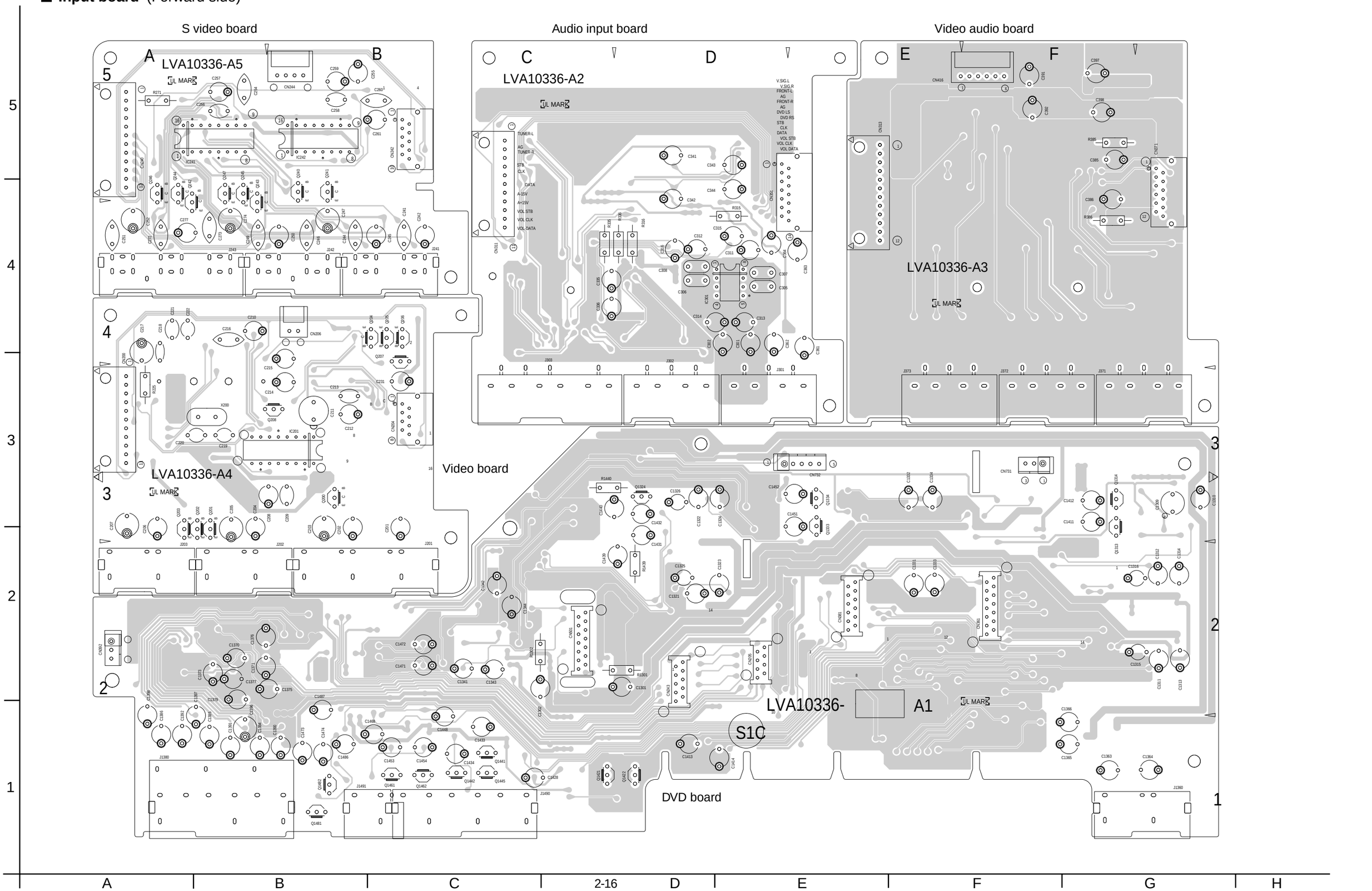
System control board



Switch board

Power switch board

■ **Input board** (Forward side)



■ **Input board** (Reverse side)

Video audio board

Audio input board

S video board

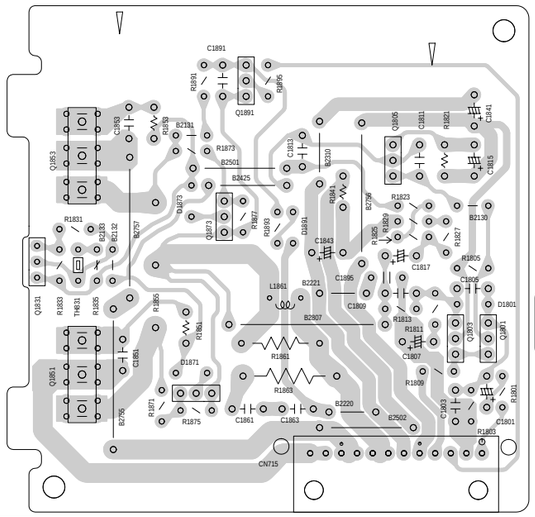
Video board

DVD board

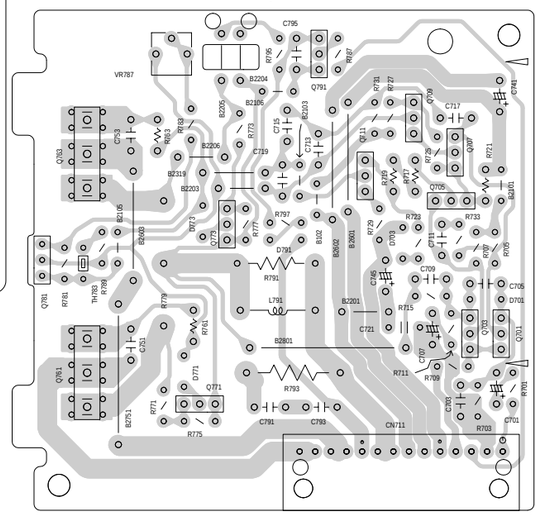
Compulink board

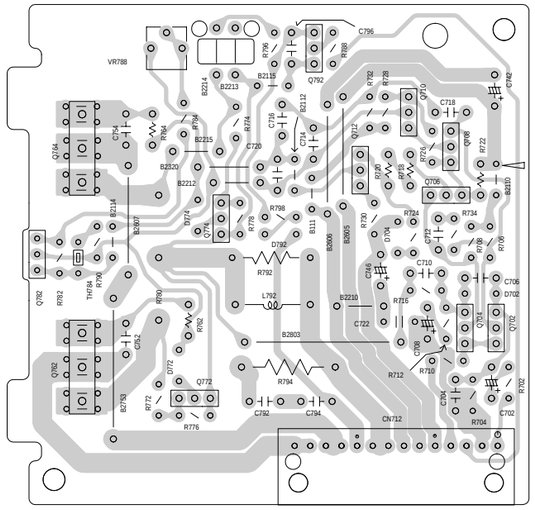
■ Amp. board

RLch amp. board

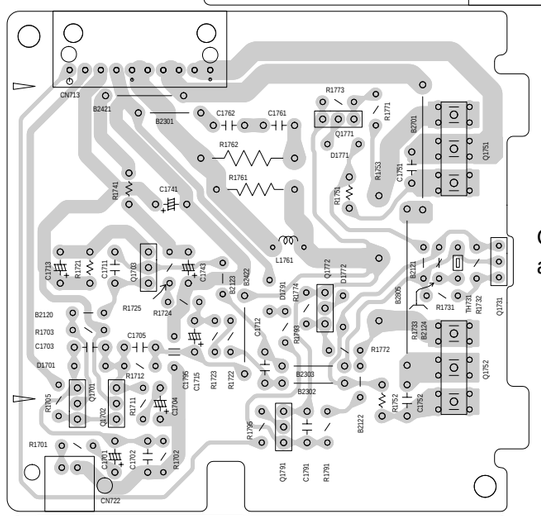


Lch amp. board

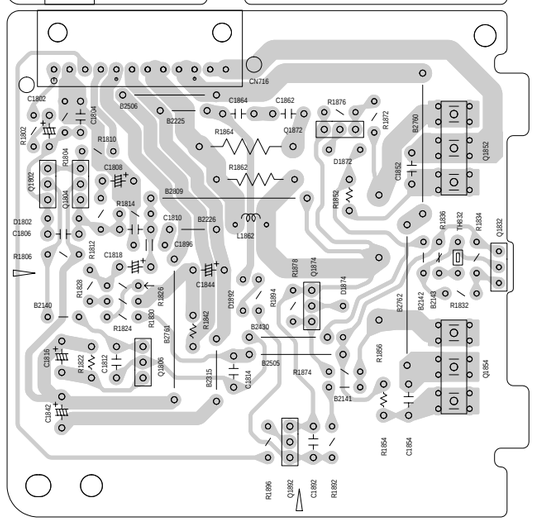




Rch amp. board



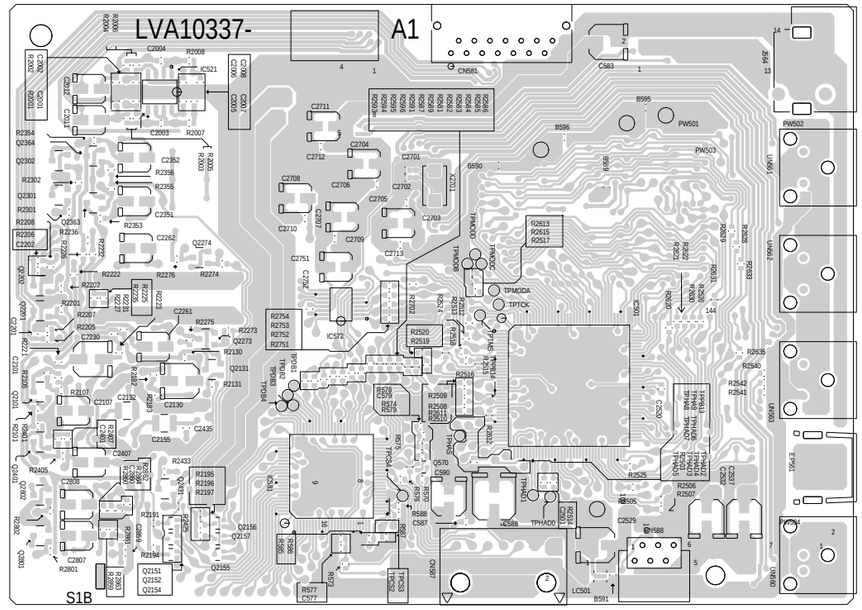
Cch
amp. board



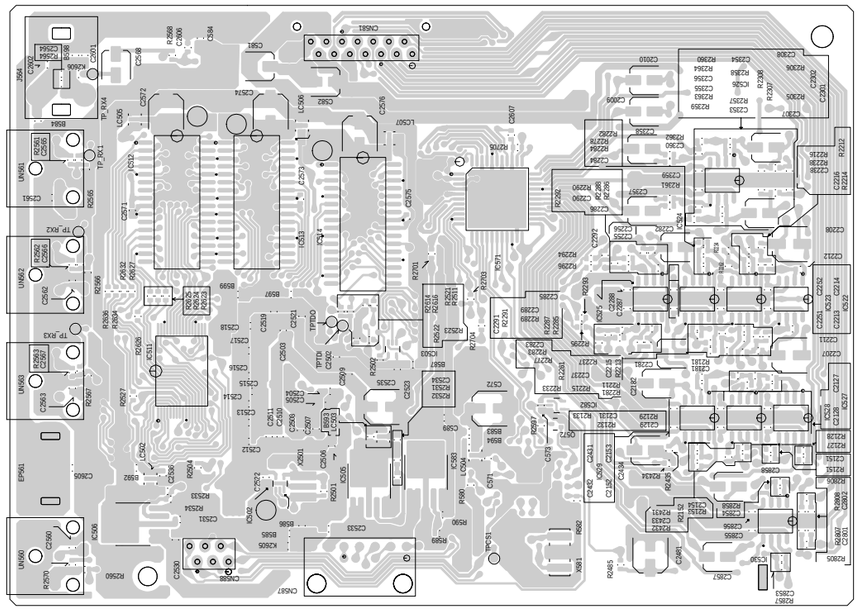
RRch amp. board

■ DSP board

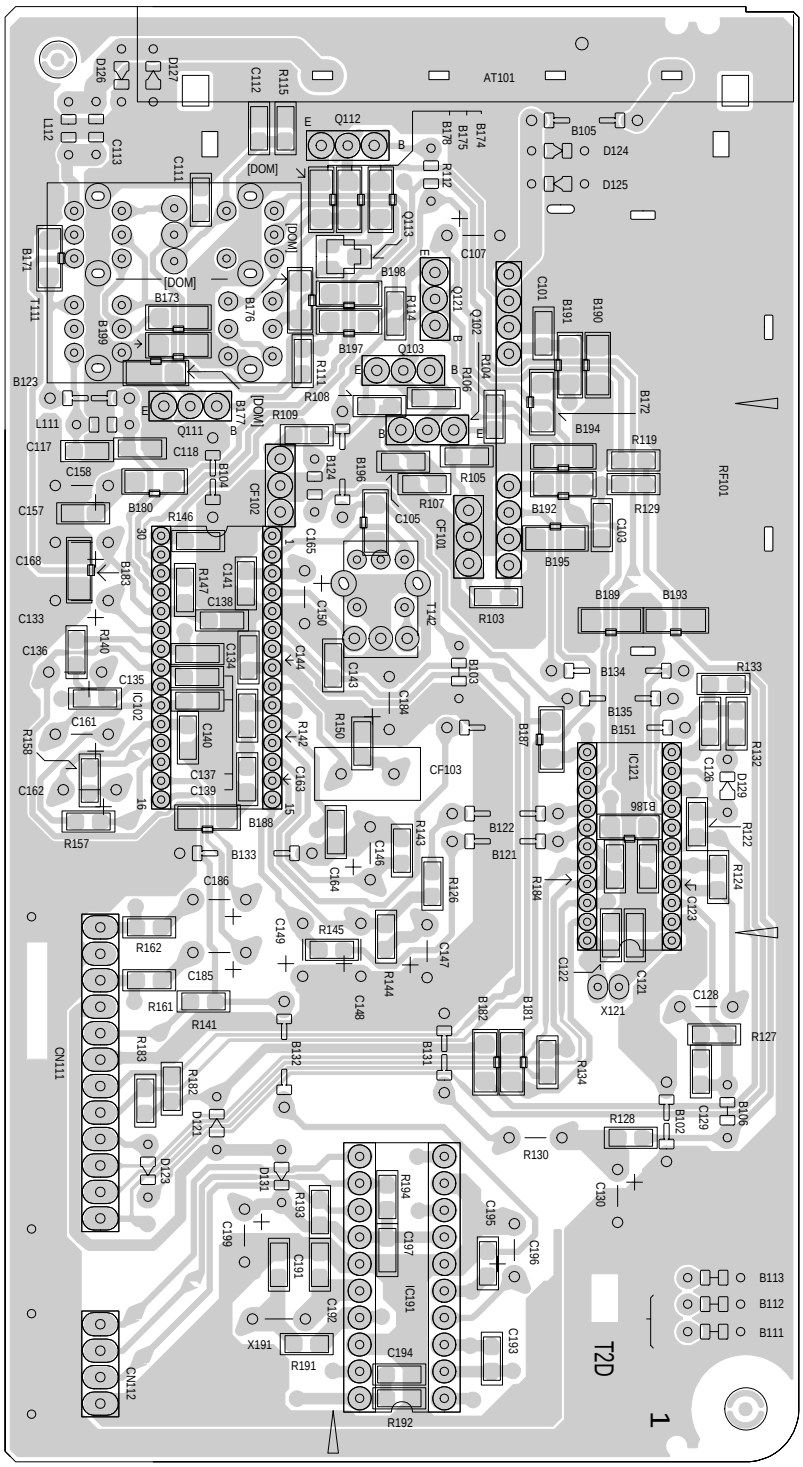
(Forward side)



(Reverse side)



■ Tuner board


T2D
1
AT101
CN111
CN112
RF101
CF101
CF102
CF103
IC102
IC121
IC191
X121
X191
Q111
Q112
Q113
Q121
Q102
Q103
T111
T142
L111
L112
D121
D123
D124
D125
D126
D127
D129
D131
[DOM]

RX-8022PSL

JVC

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